PROFESSIONAL SERVICES AGREEMENT
Amendment No. 2

This Amended Agreement, made and entered into this, the 20th day of February 2024, and between the **City of Dripping Springs**, Texas (hereinafter referred to as the "City") and **HDR Engineering, Inc.**, (hereinafter referred to as "Contractor"), is understood and agreed to be as set forth herein and is an amendment to the Agreement:

WHEREAS, the City and the Contractors entered into Professional Service Agreement for engineering services related to the Tax Increment Reinvestment Zones on January 2022; and

WHEREAS, tasks have changed during the course of the projects; and

WHEREAS, the Parties desire to add new tasks and end existing task orders.

1. **Description of Services.** The City and Contractor agree to the following:

   (a) Contractor shall deliver reports to City Hall via mail, in person, or other electronic means as appropriate.

   (b) Contractor shall attend meetings of City Council, TIRZ Board, and related committee meetings as needed to provide progress reports and drafts of the engineering services.

   (c) Contractor shall conduct business in good faith displaying professionalism and a courteous manner in dealings with the staff, citizens, and customers of the City.

   (d) Contractor will report to the City Administrator, verbally or in writing, any conflicts between Contractor and any citizen or customer in the course of performing said duties and responsibilities.

   (e) Contractor shall maintain complete and accurate records of work performed for the City. Contractor shall manage both public and confidential records that Contractor obtains pursuant to this Agreement with the understanding that some records may be subject to state open records laws. Contractor shall comply with the City's public information policies.

   (f) Performs other related duties as needed.

2. **Scope of Work.**

   (a) Contractor will prepare plans, specifications and estimates through 100% plans, and including the specified bid phase and construction phase services as described in Exhibits "A", "B", and "B-1". Additional Services may be agreed to in writing by both parties and billed at a negotiated rate as listed in Exhibits "C" in future task orders.

3. **Schedule.** Work shall commence upon execution of this agreement and shall be completed within the updated project schedule as described in Exhibit "E", to be determined and mutually agreed following execution of this agreement. This Amendment to the Agreement provides for completion of the 100% plans. This Agreement shall be in effect for a period of three (3) years unless terminated as provided below or if all work associated with Agreement is completed. Contractor shall start work immediately after the execution of this Agreement. The project schedule may be altered in writing by mutual agreement.

4. **Payment for Services.** The City will compensate Contractor in accordance with the fee and hourly rate structure contained in Contractor's proposal attached as Exhibits "C" and "C-1 Additional Services". Contractor shall invoice City in accordance with Contractor's attached proposal. Invoices will be submitted monthly, and payment is due within 30 days of City's receipt and approval of the invoice. The total amount of this contract for all services provided will not exceed eight hundred and ninety-eight thousand five hundred dollars ($898,500). Additional services and payment for additional services will be subject to Exhibit "C" and must be approved in writing by the City prior to provision of such services. The fee amounts in Exhibit "C" are valid for three (3) years. Any services provided after the termination of this Agreement will be in writing.

5. **Relationship of Parties.** It is understood by the parties that Contractor is an independent contractor with respect to the City and not an employee of the City. City will not provide fringe benefits, including health insurance benefits, paid vacation, or any employee benefit, for the benefit of Contractor. The City may contract with other individuals or firms for legal services.

6. **Limitations.** During the period the Contractor is covered by this agreement, the Contractor will not be pemitted to perform any services for any agency, developer, contractor, or individual performing work within or for the City, or any project or construction that involves inspection, coordination, approval or in any other manner that involves the City other than that work assigned by an agency of the City.

7. **Termination.** Either party may terminate this Agreement with thirty (30) days at any time with written notice to the other party. All services provided by Contractor shall be paid for in accordance with Exhibit "C" if the Agreement is terminated. City will only pay for services provided by Contractor prior to termination.

8. **Injuries/ Insurance.** Contractor acknowledges the contractor's obligation to obtain appropriate insurance coverage as listed in Exhibit "D".

9. **Indemnification.** Contractor agrees to indemnify and hold City harmless from all claims, losses, expenses, fees, including attorney's fees, costs, and judgments that may be asserted against City that result from acts or omissions of Contractor, Contractor 's employees, if any, and Contractor's agents.

10. **Assignment.** Contractor's obligation under this Agreement may not be assigned or transferred to any other person, firm, or corporation without the prior written consent of City.

11. Notice. All notice required or permitted under this Agreement shall be in writing and shall be delivered either in person or deposited in the United States mail, postage prepaid, addressed as follows:

For the City:	**For the Contractor:**
City of Dripping Springs	HDR Engineering, Inc.
Attn: City Administrator	Attn: Justin Word, P.E.
P.O. Box 384	804 Lavaca, Suite 900
Dripping Springs, TX 78620	Austin, TX 78701
(512) 858-4725	(512) 904-3728

Either party may change such address from time to time by providing written notice to the other in the manner set forth above. Notice is deemed to have been received three (3) days after deposit in U.S. mail.

12. Mandatory Disclosures. Texas law requires that vendors make certain disclosures. Prior to the effective date of this Contract, the Contractor has submitted to the City a copy of the Conflict-of-Interest Questionnaire form (CIQ Form) approved by the Texas Ethics Commission (Texas Local Government Code Chapter 176). The Contractor shall submit a Form 1295 to the Texas Ethics Commission. The Contractor also confirms it is in compliance with all Texas requirements related to government contracts including: (1) no boycott of Israel; (2) not listed as a foreign terrorist organization by the Texas Comptroller of Public Accounts; (3) Contractor does not have a policy or practice of discriminating against firearm entities or firearm trade associations; (4) Contractor does not boycott energy companies; and Contractor is compliant with all other Texas laws including any additional disclosure requirements).

13. Severability. If any provision of this Agreement shall be held to be invalid or unenforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

14. Waiver of Contractual Right. The failure of any party to enforce any provision of this Agreement shall not be construed as a waiver of that party's right to subsequently enforce and compel strict compliance with every provision of the Agreement.

15. Applicable Law. The laws of the State of Texas shall govern this Agreement.

16. Venue. The venue for any and all legal disputes arising under this Agreement shall be Hays County, Texas.

17. Entire Agreement. This Agreement contains the entire Agreement of the parties and there are no other promises or conditions in any other Agreement whether oral or written. This Agreement supersedes any prior written agreements between the parties. If there is any conflict between this Agreement and any Attachment, this Agreement controls.

CITY OF DRIPPING SPRINGS:

Michelle Fischer, City Administrator

February 20, 2024
Date

HDR ENGINEERING, INC.:

Justin Word, P.E., Vice President

February 29, 2024
Date

ATTEST:

Andrea Cunningham, City Secretary

City of Dripping Springs TEXAS Inc. 1981

EXHIBIT A

SERVICES TO BE PROVIDED BY THE CITY

For Roadway Improvements on Old Fitzhugh Road

Dripping Springs, Texas

Project Limits: Old Fitzhugh Road from Mercer Street to RM 12

Project Length: 3,300 feet (0.6 Miles)

In coordination with the services to be provided by the ENGINEER, as described in Exhibit B, the CITY shall provide the following, as available:

PROJECT MANAGEMENT

The CITY will designate a Project Manager to represent the CITY.

DESIGN / ENVIRONMENTAL / UTILITY ENGINEERING

Any records available which would assist in the identification of environmental constraints.

A. Reviews of recommendations offered by HDR Engineering, Inc. (ENGINEER) and approve or reject any or all work performed under this contract
B. Review of progress of work and final acceptance of deliverables
C. Processing of all periodic payment requests submitted by ENGINEER
D. Assist as necessary in submittal of documentation to regulatory agencies for review, comment, or approval when specified.
E. All comments regarding the review of the engineering services completed
F. Assistance in the coordination and scheduling of site visits
G. Review and approval of typical roadway sections and design criteria developed by the ENGINEER
H. Pavement design to be used for all new roadways, in consultation with the ENGINEER
I. Assist as necessary in obtaining the required data and information from other local, regional, state, and federal agencies
J. Provide the ENGINEER with timely reviews and decisions necessary for the ENGINEER to maintain the project work schedule
K. Distribute plan sets to the appropriate agencies and the public
L. Schedule and coordinate, with the ENGINEER public involvement meetings
M. Furnish available horizontal control points established by the CITY
N. Furnish available plans and design information for adjoining projects
O. Furnish available right-of-way maps
P. Negotiate with all utility companies for any agreements and required relocations
Q. Pay all reviewing agency fees promptly including review, inspection and recording fees
R. Assist with obtaining right-of-entry (ROEs) for adjoining property owners necessary for field surveying outside existing public right-of-way
S. Right of Way Acquisition services and landowner negotiations

T. Title Commitments for parcels to be acquired
U. Advertisement and solicitation for bids to construct the project

PLAN REVIEW TURN-AROUND TIMES

- 30% Submittal: 3-4 Weeks
- 60% Submittal: 3-4 Weeks
- 90% Submittal: 3-4 Weeks
- 100% Final Submittal: 2-3 Weeks

EXHIBIT B

ENGINEERING SERICES TO BE PROVIDED BY THE ENGINEER

For Roadway Improvements on Old Fitzhugh Road

Dripping Springs, Texas

Project Limits: Old Fitzhugh Road from Mercer Street to RM 12

Project Length: 3,300 feet (0.6 Miles)

Project Statement

The roadway improvements for Old Fitzhugh Road from Mercer Street to RM 12 include reconstructing the roadway to incorporate pedestrian facilities, illumination, landscaping and limited on-street parking according to the approved schematic developed in the Conceptual Design Phase.

The work to be performed by HDR Engineering, Inc. (ENGINEER) for this work shall consist of providing engineering services for survey, utility coordination, right-of-way coordination, roadway, drainage, signing, pavement markings, and illumination at 30%, 60%, 90% and the Final Plans, Specifications, and Estimate (PS&E) submittals. The project limits are from Mercer Street to RM 12 for a length of approximately 3,300 feet.

Project control will be compatible with the current Geographical Information Systems (GIS) in use by the City of Dripping Springs (CITY). The ENGINEER shall collect, review, and evaluate the available existing data pertaining to this project and prepare the project design in accordance with applicable requirements, design criteria, and policies of the CITY.

The PS&E package shall be prepared in accordance with the requirements of the applicable TxDOT and CITY Specifications, Standards, and Manuals (current versions in effect on the NTP date). Whenever possible, TxDOT and the CITY's standard drawings, standard specifications, or previously approved special provisions and/or special specifications will be used. If a special provision and/or special specification must be developed for this project, it shall be in a format acceptable to the CITY and, to the extent possible, incorporate references to approved test procedures.

All design exceptions to approved design criteria shall be requested in writing, by the ENGINEER for approval by the CITY prior to incorporating the criteria into the project design.

The ENGINEER shall make reasonable efforts to minimize or avoid where possible, utility conflicts and the relocation of existing utilities.

The ENGINEER shall prepare parcel sketches and metes and bounds descriptions for the parcels and ROW footprint previously determined at the Conceptual Design Phase and confirmed at the 30% PS&E design level, subject to approval by the CITY. Necessary construction easements shall also be identified.

The CITY will be the principal point of contact for public or private inquiries regarding the project. The ENGINEER will prepare technical exhibits and attend public stakeholder meetings as requested by the CITY.

The detailed scope of services for this work is further described below.

PROJECT MANAGEMENT

A. Coordination with CITY: The ENGINEER will coordinate with the CITY to complete the PS&E for the project. The ENGINEER will prepare for and attend monthly coordination meetings with the CITY to discuss project progress, planned activities, key issues or items requiring decision or approval by the City. The ENGINEER shall prepare meeting minutes for all meetings and will distribute to staff for approval and record keeping. Project Management services needed to complete the design phase are anticipated to span a period of 12 months.

B. Invoicing and Schedule Updates: The ENGINEER will provide monthly invoices for payment to the CITY including a project status report of work completed within the reporting period, work anticipated in the next work period, and any outstanding issues or concerns. The ENGINEER will also provide design schedule updates with the monthly invoices detailing work completed and any task adjustments. Status reporting, invoicing, and schedule updates are anticipated to span a period of 12 months.

C. Subconsultant Coordination, Deliverable Review and Invoices: Monthly coordination with the team will be conducted to verify project milestones are met. The ENGINEER will meet with Subconsultants to discuss progress, design updates, constraints, and completion schedules for key tasks. The ENGINEER shall review deliverables from Subconsultants for conformance with the approved scope and project design. Subconsultants will forward their monthly invoices directly to the ENGINEER. The ENGINEER will review, process, and combine all invoices into one deliverable and forward one copy for payment to the CITY.

D. Quality Assurance / Quality Control: The ENGINEER will develop a project-specific quality control plan identifying key roles, responsibilities, record keeping procedures, and anticipated review dates and make a copy available to the CITY. The ENGINEER will provide quality control of identified documents prior to each defined design submittal (30%, 60%, 90%, and Final) following established QA/QC processes.

ROADWAY DESIGN

A. Title Sheet and Index of Sheets

a. Prepare Title sheet
b. Prepare Index of Sheets including standard selections

B. Typical Sections: Typical sections shall be prepared for existing conditions and proposed improvements. Typical sections shall include width of travel lanes, shoulders, outer separations, border widths, sidewalks, curb offsets, and ROW. The typical section shall also include PGL, centerline, pavement design, longitudinal joints, side slopes, sodding/seeding limits, concrete traffic barriers and sidewalks, station limits, common proposed and existing structures including

retaining walls, existing pavement removal, limits of embankment and excavation, and existing and proposed utilities.

C. Project Layout: Layout shall consist of a planimetric file of existing features and the proposed improvements within the existing and proposed ROW. The layout shall include the following features:

a. Existing/Proposed ROW
b. Existing/proposed horizontal alignment
c. Proposed drainage features
d. Proposed retaining walls/bridges/culverts (as applicable)
e. Begin/end project stations
f. Street names

D. Survey Control Sheet: Sheet will include horizontal/vertical control points used to establish survey control and will identify horizontal/vertical survey datum and surface to grid adjustment factors.

E. Horizontal Alignment Data Sheets: Sheet includes data for the horizontal alignment for Old Fitzhugh Rd. Superelevation data consisting of station, slope, and begin and end transition will be provided as needed.

F. Roadway Plan & Profile: The ENGINEER will develop plan and profile (1" = 40' sheets) using the survey acquired by the ENGINEER, as well as utilizing the approved roadway design criteria.

The plan view shall contain the following design elements:

a. Calculated roadway centerlines for roadway including cross streets as applicable. Horizontal control points shall be shown.
b. Pavement edges for all improvements (main roadway, cross streets, and driveways)
c. Right-of-way and easement limits (proposed and existing)
d. Linework for proposed drainage elements
e. The geometrics (pavement cross slope, lane, and shoulder widths) and typical sections of the proposed highway roadway and crossroads
f. Horizontal and vertical roadway alignments.
g. Direction of traffic flow on all roadway lanes
h. Sidewalks/Pedestrian facilities
i. Identified utilities and providers

The profile view shall contain the following design elements:

a. Calculated profile grade
b. Existing and proposed profiles along the proposed centerline.
c. Drawing vertical scale to be 1" =10'
d. Existing and proposed utilities, including proposed drainage crossings

G. Intersection Layouts - Cross Streets: The ENGINEER shall provide an intersection layout detailing the pavement design and drainage design at the intersection of each cross street. The

layout shall include the horizontal and vertical alignments, curb returns, contours, geometrics, transition length, stationing, pavement, drainage details, and American with Disabilities Act Accessibility Guidelines (ADAAG)/PROWAG compliance items. The ENGINEER shall design for full pavement width to the ROW and provide a transition to the existing roadway.

H. **Driveway Plan & Profiles:** Prepare driveway plan and profiles with details including station, pavement section, width, length, radii, proposed grades, parallel culvert details (if needed) and associated temporary construction easements.

I. **Removal Layouts:** Provide removal layouts 1" = 50' scale (double bank) detailing items to be removed for project limits.

J. **Pedestrian and Bicycle Facilities**: The ENGINEER shall coordinate with the City to incorporate pedestrian and bicycle facilities as required or shown on the project's schematic. All pedestrian/bicycle facilities must be designed in accordance with the latest Americans with Disabilities Act Accessibility Guidelines (ADAAG), the Texas Accessibility Standards (TAS), PROWAG, and the AASHTO *Guide for the Development of Bicycle Facilities*.

K. **Roadway Cross Sections:** The ENGINEER shall determine earthwork quantities and provide final design cross sections at 50-foot intervals. Cross sections shall be delivered on 11"x17" sheets. The ENGINEER shall provide all criteria and input files used to generate the design cross sections. Cross sections and quantities shall consider existing pavement removals. Annotation shall include at a minimum existing/proposed right of way, side slopes (front & back), and profile elevations. Cross sections shall be submitted by the ENGINEER at the 60%, 90%, and Final submittals, respectively.

L. **Miscellaneous Detail Sheets:** Provide detail sheets (estimated 5 sheets) for miscellaneous design details.

M. **Quantity Summary Sheets:** Prepare and update summary of estimated quantity sheets showing item description, item unit, and item quantity for roadway bid items. Summary sheets shall be updated at each milestone submittal.

N. **Standards Selection:** Include standard sheets applicable to project for roadway design elements.

DRAINAGE DESIGN

Coordination with City staff and perform field review. This will take place at project inception and after completion of the 30% design phase.The following tasks will occur in the 30%, 60%, 90%, and 100% plan phases.

Complex Hydraulic Design Hydrologic and Hydraulic Design: The ENGINEER will prepare hydrologic and hydraulic analyses of the proposed storm drain system, storm drain pipe outfalls, and conveyance to and through the detention basins/water quality basins. This includes design of the storm drain/stormwater management system in the right-of-way and conveyance storm drain lines to the receiving creek west of the project. As part of this effort, four (4) prospective drainage easements will be defined and coordinated with the project team. Storm drain outfall structures and the necessary permanent erosion control measures will be part of the plans and specifications.

Storm Drain Analysis and Design

A. **Storm Drains:** The ENGINEER will perform the following storm drain design services:

a. Storm drain analysis incorporating updated Rational Method peak flows for the specified frequencies.
b. Design storm drain system (inlets, laterals, trunk lines and outfalls) that minimize the interference with the passage of traffic or incur damage to the highway and local property in accordance with the City of Dripping Springs requirements and use Atlas 14 rainfall data.
c. Determine hydraulic grade line starting at the outfall channel or overland flow location (tributary west of Old Fitzhugh Road) for each storm drain design. Use the design water surface elevation of the outfall as the starting basis (tailwater) for the design of the proposed storm sewer system. The tailwater will be based on available floodplain data and/or a HECRAS model developed for this project if necessary.
d. Calculate manhole head losses.
e. Limit discharge into existing outfalls to the capacity of the existing system. Evaluate alternative flow routes if necessary, to relieve system overload.
f. Identify areas requiring trench protection, excavation, shoring, and de-watering.
g. Design non-standard drainage details (junction boxes, pipe connections, etc.).
h. Determine pipe strength requirements.
i. Design outfall structures and appropriate permanent erosion controls to prevent scour hole development and channel erosion.
j. Define up to four (4) drainage easements to convey stormwater runoff from Old Fitzhugh Road to the tributary west of the project site. The drainage easements will include the outfall structures as noted above.

B. Storm Drain Hydrologic and Hydraulic Tables: The ENGINEER will prepare hydraulic data using StormCAD Drainage software for the proposed storm sewer system. The storm system will be designed for the 25-year event and 100-year event per the City of Austin DCM and City approved design criteria.

k. Determine drainage areas and flows for cross culvert drainage systems.
l. Determine the sizing of the drainage crossings. Develop designs that minimize the interference with the passage of traffic or cause damage to the highway and local property in accordance with the City of Dripping Springs criteria.
   - Determine Traffic Control Phasing for the construction of the cross culverts
   - Design inlet and outfall erosion protection at each outfall

C. Storm Water Detention Analysis:

a. Prepare detention sizing and outlet configuration to mitigate adverse downstream impacts to receiving streams using HEC-HMS and Curve Number Method peak flows for the 2-year, 10-year, 25-year, and 100-year design frequencies. Atlas 14 rainfall depths will be utilized.
b. Coordinate detention design to be included with storm drain design.

D. Water Quality Design (Rain garden/bioretention):

a. Prepare water quality basin design in combination with the detention design to manage water quality in accordance with the City of Dripping Springs criteria. Based on planned site disturbance less than 4 acres, the project will not need to obtain approval from the TCEQ Edwards Aquifer Protection Program. This proposal does not include cost or time for TCEQ coordination/approval.
b. Coordinate water quality design with storm drain design.
c. Coordinate with landscape planners to verify proper plant and materials selection.

E. Plans Sheets for Drainage Design:

Prepare the PS&E package in accordance with the applicable requirements of the City's specifications, standards, and manuals. Include the following sheets and documents, as appropriate:

a. Drainage Area Maps
b. Hydrologic Data Sheets
c. Hydraulic Data Sheets
d. Storm Drain Plan/Profile Sheets within right-of-way and offsite to the receiving tributary or overland flow area
e. Detention Pond/Rain Garden Grading Plan and Typical Sections
f. Detention Pond/Rain Garden Maintenance Details
g. Trench Protection and Special Shoring Details (if applicable)
h. Prepare culvert cross sections and identify each station location.
i. Select any necessary standard details from City or TxDOT list of standards for items such as inlets, manholes, junction boxes and end treatments.
j. Prepare details for non-standard inlets, manholes and junction boxes.
k. Prepare drainage details for outlet protection (permanent erosion control), outlet structures and utility accommodation structures.
l. Identify pipe strength requirements.
m. Prepare drainage facility quantity summaries.
n. Identify potential utility conflicts and, if feasible, design to mitigate or avoid those identified conflicts.
o. Consider pedestrian facilities, utility impacts, driveway grades, retaining wall and concrete traffic barrier drainage impacts.
p. Identify existing ground elevation profiles at the ROW lines on storm sewer plan and profile sheets.

F. Hydrologic and Hydraulic Report:

Prepare a report summarizing the assumptions, methods for calculations, existing and proposed conditions, and results of analyses. The report will include discussion hydrologic and hydraulic analysis procedures and summaries of calculation results and input parameters along with ROW needs to accommodate storm drain outfalls (within right-of-way and offsite), detention and water quality basins. The report will document that the project will not have adverse impacts on downstream properties and will comply with City of Dripping Springs detention and water quality

requirements.

The ENGINEER will submit the report at each design phase to the CITY for review and comment. The ENGINEER will address comments and submit updates with each design phase.

SIGNING AND PAVEMENT MARKING

Signing: The ENGINEER shall prepare drawings, specifications, and details for necessary small signing. The ENGINEER shall coordinate with the City (and other Engineers as required) for overall temporary, interim, and final signing strategies and placement of signs outside contract limits.

a. Prepare sign detail sheets for non-standard signs showing dimensions, lettering, shields, borders, corner radii, etc., and shall provide a summary of small signs.
b. Illustrate and number the proposed signs on plan sheets.
c. Select each sign foundation from City or TxDOT Standards.

Pavement Marking: The ENGINEER shall detail permanent and temporary pavement markings and channelization devices on plan sheets. The ENGINEER shall coordinate with the City (and other Engineers as required) for overall temporary, interim, and final pavement marking strategies. The ENGINEER shall select Pavement markings from the latest City or TxDOT standards.

The ENGINEER shall provide the following information on signing and pavement marking layouts:

a. Roadway layout
b. Center line with station numbering
c. Culverts and other structures that present a hazard to traffic
d. Location of utilities
e. Existing signs to remain, to be removed, or to be relocated
f. Proposed signs (illustrated, numbered and size)
g. Proposed markings (illustrated and quantified) which include pavement markings, object markings and delineation
h. Quantities of existing pavement markings to be removed
i. Proposed delineators and object markers
j. Right-of-way limits
k. Direction of traffic flow on all roadways

Quantity Summary Sheets: Prepare summary sheets showing item description, item unit, and item quantity for temporary and permanent signing and pavement marking bid items.

TRAFFIC CALMING

The ENGINEER shall incorporate traffic calming measures (pinch points, speed tables, and raised crosswalks) into the roadway design plans. The ENGINEER shall develop specifications and details for traffic calming measures.

TRAFFIC CONTROL PLAN, DETOURS, AND SEQUENCE OF CONSTRUCTION

The ENGINEER shall prepare Traffic Control Plans (TCP) for the project. A detailed TCP shall be developed in accordance with the latest edition of the TMUTCD. The ENGINEER is to implement the

current Barricade and Construction (BC) standards as applicable. The ENGINEER shall interface and coordinate phases of work, including the TCP, with adjacent Engineers. The ENGINEER shall:

A. Overall Phasing Plan: Develop an overall phasing plan for the project showing the phasing layout for construction of the proposed improvements.

B. Traffic Control Narrative: Provide a written narrative of the construction sequencing and work activities per phase and determine the existing and proposed traffic control devices (regulatory signs, warning signs, work zone pavement markings, barricades, flaggers, temporary traffic signals, etc.) to be used to handle traffic during each construction sequence.

C. Traffic Control Phasing Layouts: Prepare Traffic Control Phasing Layouts (3 Phases assumed) for each phase of the project including typical sections that identify the travel lanes and work zones. The ENGINEER shall show proposed traffic control devices for at-grade intersections during each construction phase (stop signs, flaggers, signals, etc.). The ENGINEER shall show temporary roadways, structures and detours required to maintain traffic throughout the construction phasing.

The Phasing Layouts will include the following:

a. Prepare each TCP in coordination with the City. The TCP shall include interim signing for every phase of construction. Interim signing shall include regulatory, warning, construction, route, and guide signs. The ENGINEER shall interface and coordinate phases of work, including the TCP, with adjacent Engineers, which are responsible for the preparation of the PS&E for adjacent projects.
b. Maintain continuous access to abutting properties during all phases of the TCP. The ENGINEER shall develop a list of each abutting property along its alignment. The ENGINEER shall prepare exhibits for and attend meetings with the public, as requested by the City.
c. Make every effort to prevent detours and utility relocations from extending beyond the proposed Right-of-way lines. If it is necessary to obtain additional permanent or temporary easements and Right-of- Entry, the ENGINEER shall notify the City in writing of the need and justification for such action. The ENGINEER shall identify and coordinate with all utility companies for relocations required.
d. Describe the type of work to be performed for each phase of sequence of construction and any special instructions (e.g., storm drain, culverts, bridges, railing, illumination, signals, retaining walls, signing, paving surface sequencing or concrete placement, ROW restrictions, utilities, etc.) that the contractor should be made aware to include limits of construction, obliteration, and shifting or detouring of traffic prior to the proceeding phase.
e. Include the work limits, the location of channelizing devices, positive barrier, location and direction of traffic, work area, stations, pavement markings, and other information deemed necessary for each phase of construction.
f. Delineate areas of wetlands on traffic control plans (if any).
g. Design temporary drainage to replace existing drainage disturbed by construction activities or to drain detour pavement. The ENGINEER shall show horizontal and vertical location of culverts and required cross sectional area of culverts. If

temporary shoring is required, prepare layouts and show the limits on the applicable TCP.

h. Quantity Summary Sheets: Provide summary sheets showing item description, item unit, and item quantity for temporary and permanent traffic control bid items.

i. Standards Selection: Include standard sheets applicable to project for traffic control design elements.

ILLUMINATION

The ENGINEER shall prepare Illumination Plans, Details, and Specifications for the project. The ENGINEER will coordinate the illumination design options with the City (and other Engineers as required) for overall final luminaire product selections and layout. The final Illumination design will comply with the local Dark Sky Lighting Ordinance, latest NEC, ANSI/IES RP-8-18, and City and/or TxDOT Standards. The ENGINEER shall:

A. Conduct a google earth survey of the existing illumination (safety, intersection, and pedestrian), associated electrical services, utility electric service drops, utility electric primary routing, and illumination aboveground/underground infrastructure.

B. Remove all existing illumination (safety, intersection, and pedestrian), associated electrical services, and illumination aboveground/underground infrastructure in conflict within the Old Fitzhugh Road reconstruction.

C. Provide new illumination (safety, intersection, and pedestrian), associated electrical services, and underground illumination infrastructure services for all illumination (safety, intersection, and pedestrian) per the ANSI/IES RP-8-18 roadway type and pedestrian volume illumination classification/ recommendations.

D. Utilize the minimal number of electrical services locations for the illumination (safety, intersection, and pedestrian).

E. Project Task List

a. Data Collection

i. Utility power company(s) contact(s)

ii. Existing utility(s) overhead and underground routing information

iii. Existing illumination electrical services information (voltage, service size, connected loads, spares, etc.)

iv. Available voltage for new illumination electrical services

v. As-Builts of existing safety, intersection, and pedestrian illumination

b. Survey

i. HDR will perform a google earth survey of the existing illumination (safety, intersection, and pedestrian), associated electrical services, utility electric service drops, utility electric primary routing, and illumination aboveground/underground infrastructure.

c. Illumination Design

i. Utility power company coordination

ii. ANSI/IES RP-8-18 Roadway Illumination compliance

iii. Photometric analysis (Project Limits)

iv. Overcurrent protection of electric services and branch circuits

v. Voltage drop analysis for electrical services and branch circuits

vi. Electrical service load analysis and schematics

vii. NEC, City and/or TxDOT compliance

viii. Illumination Removal Plans

ix. Illumination Summary & Plans

x. Illumination mounting details (if applicable)

d. Electrical for Illumination System

i. Utility Power Coordination

- Contact the utility power company(s) for existing available voltage, service size, connected loads, and locations of existing illumination electrical services.
- Coordinate the voltage, service size, connected loads, and locations of the new illumination electrical services.

ii. ANSI/IES RP-8-18 Compliance

- Determine the applicable safety, intersection, and pedestrian recommended illumination design standards per the roadway type and pedestrian volume project classification.

iii. Photometric Analysis

- Conduct photometric analysis (project limits) for illumination (safety, intersection, and pedestrian) foot-candle compliance.
- Photometric analysis will be utilized to determine the illumination assembly selection type, distribution, mounting height, and spacing for illumination (safety, intersection, and pedestrian).

iv. Overcurrent Protection

- Conduct overcurrent protection analysis for determining electrical service and branch circuit breaker sizes.

v. Voltage Drop

- Conduct voltage drop analysis for determining electrical service feeders, branch circuit conductors, and conduit sizes.

vi. Electrical Service Load Analysis and Schematics

- Conduct load analysis for all illumination electrical services to determine the electrical service sizes.
- Develop schematics for all illumination electrical services.

vii. NEC, City and/or TxDOT Compliance

- Design illumination utilizing the most current TxDOT Highway Illumination Manual, City Standards, and applicable National Electric Code (NEC).

viii. Illumination Removal Plans

- Develop illumination plans for removal of all existing illumination (safety, intersection, and pedestrian), associated electrical services, and illumination aboveground/underground infrastructure in conflict with the Old Fitzhugh Road reconstruction.

ix. Illumination Summary & Plans

- Develop illumination plans for illumination (safety, intersection, and pedestrian).
- Develop Illumination Summary for all illumination quantities

x. Illumination Details & Specifications

- Develop illumination details and specifications for any items not covered by the TxDOT Standards and/or City Standards.

STORM WATER POLLUTION PREVENTION PLANS (SW3P)

A. SW3P Plan Sheets: The ENGINEER shall develop the SW3P plan sheets to minimize potential impacts to receiving waterways. The SW3P shall include text describing the plan, quantities, type, phase, and locations of erosion control devices (BMPs) and any required permanent erosion control.

B. Quantity Summary Sheets: Provide summary sheets showing item description, item unit, and estimated item quantities.

C. Standards Selection: Include standard sheets applicable to the project for temporary and permanent SW3P elements.

UTILITY COORDINATION

The following scope defines the Utility Coordination and Engineering services to be provided on this project, for a maximum of 8 utility owners, listed below per Texas One-Call.

- Pedernales Electric Cooperative
- Charter - Spectrum
- Fiber Light
- Texas Gas Service
- Frontier Communications Inc.
- Dripping Springs Water Supply Corporation - Water
- City of Dripping Springs - Wastewater

A. Utility Coordination

a. Place One-Call, determine Utility Point of Contacts, create Contact List
b. Coordination with Project Team, Preparation and Delivery of Utility Status Reports
c. Send out formal Notification Letters communicating project footprint and timeline
d. Create and maintain Utility Communication Log tracking correspondence with utility companies
e. Coordinate and Conduct Utility Project Kick-off Meeting (includes invites, preparation, agenda, and meeting minutes) (Assume 1 virtual meeting maximum)
f. Coordinate and Conduct individual utility coordination meetings, meeting minutes (Assume- + 3 joint virtual meetings per utility- maximum of 15 meetings). Coordination meetings

include verification of utility mapping depictions, review of conflicts, resolutions, designs, and relocation statuses.

g. Identify Utilities with Compensable Rights- Coordinator will request appropriate documentation from utilities to validate prior rights and property interests
h. Review confirmed utility conflicts with each utility company and determine best mitigation of each
i. Obtain Clearance Letters for City for Utilities not in conflict
j. Provide Final Contacts List, Coordination Tracking Log, Utility Status Report and key coordination Meeting Minutes
k. Coordination of Utility Permitting

B. SUE QL-D

Subsurface Utility Engineering Quality Level D -

a. Quality Level D: Collect Utility Records, block-maps and as-builts. Plot Utilities from review and analysis of available existing utility records.

C. Utility Engineering

a. Preparation and maintenance of Existing Utility Layout (includes survey, records research, proposed roadway, sidewalk and drainage features, aerial background, with all utilities getting assigned a distinct line style for ease of visual identity), and QC. Layout is defined as a plotter Roll Plot (typical 36” x 52” Layout)
b. Verify Identified utility conflicts with proposed improvements and constructability of improvements, include labeling conflicts with numerical ID, determine any additional conflicts
c. Display and maintain potential utility conflict annotations on Utility Layout.
d. Create and maintain a further detailed Utility Conflict Matrix corresponding with each Conflict ID
e. Calculate conflict confirmation/ clearance with proposed improvement design information including pavement and drainage facilities
f. Evaluate potential need for SUE QL-B locating and QL-A Test Hole services at key locations for conflict determination
g. Provide formal QC of Utility Layout, Conflict Matrix
h. Upon confirmation of all conflicts, provide technical support to work with utility companies and design teams to obtain best solution to resolve each conflict - Design Modifications to Avoid, Protect in Place or Relocate Utility
i. Provide technical support for interpretation of Utility: standards, timelines, material descriptions, labor quantities, symbols, terms/ slang, and prior rights validation
j. Provide feasible proposed utility alignments for required facilities needing relocation
k. Assist utility companies in the relocation design by providing interim over-the-shoulder reviews and comment sessions on their relocation design plans. (Compatibility with road/ drainage improvements, Compliance to applicable Design Criteria Manual, Utility Accommodations Rules, Regulations, constructability, schedule and sequencing for Installations, Cutovers and customer outages, removal/ abandonment of old facilities) (maximum of 6 utility design plan reviews at twice each, 12 reviews total)

l. Deliver a finalized Utility Layout, Conflict Matrix

D. Utility Coordination & Engineering Exclusions:

a. This scope does not include 11x17 plan sets of project utility sheets.
b. Utility Payment coordination and development of Reimbursement Agreements are not included in the coordination scope.
c. Coordination or communications with other stakeholders beyond utilities companies, such as access and service negotiations with local landowners, are not included in this utility coordination scope.
d. Conflict analysis is scoped to be performed once, substantial project changes requiring significant re-analysis of conflicts and SUE needs as an additional effort is not included in this scope
e. This scope does not include Utility Relocation Design services such as water and wastewater relocation designs.
f. This scope does not include coordination with utility companies to determine timelines and schedules including design time, long-lead material time, moratorium periods, bidding/ award time, construction timeframe and removal/ proper abandonment for conflicted utilities. The scope assumes the City will provide these services.
g. This scope does not include field construction inspection services such as Utility Construction Monitoring, Scheduling or Verification

ENVIRONMENTAL

The Engineer shall prepare technical reports and provide all documentation in support of a Categorical Exclusion (CE) in preparation for future state or federal grants or funding that may be made available for the proposed project. The CE shall meet the requirements of 23 CFR §771.117 and TAC, Title 43, Part 1, Chapter 2. The Engineer shall follow guidance per current TxDOT toolkits and the State in effect as of the date of delivery of the documents for review; current state and federal laws, regulations, and policies; agreements between the State and other state or federal agencies; and FHWA and AASHTO guidelines.

Technical Reports

The Engineer shall prepare technical reports to support the CE. Technical reports and documentation must be prepared for the State with sufficient detail and clarity to support environmental determination(s).Environmental technical reports and documentation must include appropriate National Environmental Policy Act of 1969 (NEPA) or federal regulatory language in addition to the purpose and methodology used in delivering the service.

Environmental technical reports and documentation must include appropriate National Environmental Policy Act of 1969 (NEPA) or federal regulatory language in addition to the purpose and methodology used in delivering the service.

A. Constraints Analysis

The Engineer shall perform a constraints analysis for the project area consisting of desktop research to obtain digital, readily available information about environmental

resources within the project area from the appropriate local, state, and federal agencies. This information will be summarized in the Environmental Constraints Report, and will include the following:

- A cultural resources review to determine the extent of previous studies and identify known historic or archeological sites in or near the proposed project area, including a search of archeological records maintained by the Texas Archeological Research Laboratory and a review of the Texas Historic Sites Atlas maintained by the Texas Historical Commission (THC) for cemeteries and recorded historical markers, properties, or districts listed in the National Register of Historic Places (NRHP) located within the project area.
- A review of current protected species lists from the Texas Parks and Wildlife Department (TPWD) and U.S. Fish and Wildlife Service (USFWS), and a search request from the Texas Natural Diversity Database (TXNDD), National Wetlands Inventory (NWI) maps and current aerial photography will be reviewed for surface water features that may be considered waters of the U.S. that would be affected by the proposed project. Data collected through this task will be stored in Geographical Information Systems (GIS) format.
- A review of Texas Commission on Environmental Quality's (TCEQ) Industrial and Hazardous Waste data for any hazardous materials abutting the ROW.
- An assessment of Section 4(f) properties in the project area and potential impacts.
- A site visit to verify data gleaned from desktop surveys.
- A map of known environmental resources within the project corridor using GIS.

B. Categorical Exclusion

The Engineer shall work with the State to prepare Work Product Development 1 and 2 for the project, to include a project description, project boundaries, and other project details.

C. Historic Resource Identification, Evaluation and Documentation Services

The Engineer shall perform limited non-archeological historic-age resource studies related to compliance with Section 106 and Section 110 of the NHPA (36 CFR 800). Prior to conducting formal historic resource investigations, a Project Coordination Request (PCR) would be prepared and approved to determine if further studies would be warranted.

The PCR shall comply with the TxDOT Environmental Compliance Toolkits provided by the State's Environmental Affairs Division in effect as of the date of the receipt of the documents.

The Engineer shall revise the PCR to address comments by the State at no additional cost to the State and may be required to integrate the findings into another environmental document. The State assumes responsibility for transmitting the findings to THC and for transmitting THC comments to the Engineer's Technical Expert. Engineer's Technical Expert is an institution, firm, individual, or team that provides professional scientific services, including but not limited to archeologists, biologists, geologists, historians, or other environmental professions that conduct environmental or cultural assessments required by state or federal law for

transportation projects. The State assumes responsibility for any further historic, non-archeological surveys that arise from the findings of the PCR.

The Engineer shall conduct tasks associated with public involvement as requested during the historic resources reporting phase and conforming to the methodology outlined in the TxDOT Environmental Compliance Toolkits.

The Engineer shall contact interested parties when applicable in order to determine local knowledge of historic resources in the project area. Interested parties include but are not limited to: Certified Local Governments, Historic Preservation Offices, County Historical Commissions, Historic Bridge Foundation, and other consulting parties.

D. Archeological Background Studies

The Background Study shall be produced by a professional archeologist as defined in 13 TAC §26.4(2). The Archeological Background Study shall conform to the current Review Standard for Archeological Background Studies, available from the State. Unless the Engineer has previously completed an Archeological Background Study for the project, the Archeological Background Study must define and consider all alternatives selected for detailed study, including all existing right of way, all proposed new right of way, easements (temporary and permanent), and any other project-specific location designated by the State. The Archeological Background study shall consider the likely depth of impacts resulting from the proposed project. The location of all alternatives selected for detailed study shall be presented on a map or maps as part of the Archeological Background Study.

For projects in which an Archeological Background Study has already been completed by the Engineer and the project has materially changed --affecting the project limits, proposed new right of way (if any), easements (if any), any other project-specific location designated by the State, and/or the depth of impacts -- the Archeological Background Study shall incorporate the previous study by reference and focus on the project changes.

To conduct the Archeological Background Study, the professional archeologist shall undertake a review of existing data, including, but not limited to, the Texas Archeological Sites Atlas, geologic maps, soil maps, Potential Archeological Liability Map (PALM) of the project area (if applicable), aerial photographs, and historic maps. Based on this review, the Archeological Background Study shall identify and plot on a map the areas that require field investigation to evaluate the project's effects on archeological resources and cemeteries and shall identify the areas in which the proposed project would have no effect on archeological resources and cemeteries. The Archeological Background Study shall identify any areas proposed for field investigation where impacts are deep, extending beyond three feet in depth.

Mechanical excavation and site curation would require supplemental work authorization.

E. Water Resources

The Engineer shall perform a surface water analysis for the project. The engineer shall provide a Draft and final Surface Water Analysis Forms, Draft and final Section 404/10 Impacts Tables. Any required U.S. Army Corps of Engineers (USACE) permitting would be performed under a separate work authorization.

F. Threatened or Endangered Species

The Engineer shall perform a species analysis of the project area and coordinate with TPWD, if required. The Engineer shall provide a Draft and final Species Analysis Form and Spreadsheet and a Draft and final Documentation of Texas Parks and Wildlife Best Management Practices. Surveys for Protected Species or Habitat of Protected Species based on the most current State and TPWD Memorandum of Understanding (MOU Effective 2013.) The Engineer shall:

- Perform surveys of protected species or habitat of protected species. This shall include:
  - All species listed by the United States Fish and Wildlife Service (USFWS) as threatened or endangered or proposed for listing as threatened or endangered (50 CFR 17.11-12),
  - All species that are candidates for review for listing by USFWS as threatened or endangered (per most recently updated list in Federal Register),
  - Species listed as threatened or endangered species or species of greatest conservation need (SGCN) by the State of Texas Threatened and Endangered Species Listings, Texas Park and Wildlife Department (TPWD),
  - Species protected by the Migratory Bird Treaty Act (50 CFR 10.13) and the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668c).
- Examine existing data to determine the likelihood that rare species, protected species, their habitat, or designated critical habitat (per 50 CFR §17.94-95) could be impacted by the Transportation Activity. Existing data shall include the Element Occurrence Identification (EOID) records of the TPWD Natural Diversity Database, following the Guidelines set forth in the most current version of TPWD's Guidelines for TXNDD Data Analysis in TxDOT Environmental Documents.

It is not anticipated that the Project will provide habitat for Threatened and Endangered Species. Should habitat be present or Threatened and Endangered Species individuals are identified in the project area, the following tasks would be provided under a supplemental agreement:

- Perform an effect determination pursuant to the Endangered Species Act (ESA) for all federally listed species. A determination of impact must be included for all state-listed species. The determination of effect and impact must be supported by evidence, and may require a detailed assessment. Any technical reports used to support the determination(s) must be referenced and provided to the State.
- Determine whether critical habitat is present in the study area and whether the Transportation Activity will affect that critical habitat.
- Perform species-specific habitat surveys, presence or absence surveys for protected species, or critical habitat (per 50 CFR 17.94-95) and rare species.

- Conduct surveys for the presence or absence of protected species according to protocols adopted by USFWS and TPWD for all protected species for which such protocols have been established.
- Personnel conducting presence or absence surveys for protected species shall hold appropriate USFWS and TPWD permits at the time surveys are performed.
- Conduct presence or absence surveys during the time of the year appropriate for each species. If the Engineer's Technical Expert believes that a work authorization to conduct a presence or absence survey does not adequately consider timing of the survey, notify the State as soon as the issue with the survey timing is recognized.
- Furnish the State with completed Biological Evaluation Form and Engineer's Technical Expert's field notes.
- Coordinate between the State and USFWS or TPWD as directed by the State to verify proper rules, regulations and policies are followed for biological services. All coordination between the Engineer's Technical Expert and resource agencies shall be approved in advance by the State.

Habitat Analysis and Characterization of Project Study Area. The Engineer shall perform an analysis and characterization of habitat and habitat impacts for the study area and documented on the Biological Evaluation Form. The habitat analysis shall be based on the most current State and TPWD MOU and associated Programmatic Agreements.

G. <u>Initial Assessment of Hazardous Materials Impacts</u>

The Engineer shall perform an Initial Site Assessment (ISA) for potential hazardous materials impacts for the limits of the study area. The Engineer is responsible acquiring the latest version of TxDOT's Hazardous Materials Initial Site Assessment (ISA) located in the Hazardous Materials Toolkit.

- Note: The ISA shall determine the potential for encountering hazardous materials in the study area, including possible environmental liability, increased handling requirements (e.g. soil or groundwater), and potential construction worker health and safety issues.
- Note: The Engineer is responsible for reviewing and being familiar with the State's guidance related to the development of the ISA and the Hazardous Material process. All guidance and information related to this can be found on the Hazardous Materials Toolkit.

Produce and submit to the State a completed ISA using the State's ISA Environmental Compliance Toolkit guidance format. The Engineer's completed ISA shall include, when applicable, full copies of list search reports, including maps depicting locations, copies of agency file information, photographs, recommendations, and any other supporting information gathered by the Engineer to complete the ISA.

Based on the ISA information, the Engineer shall provide the State a report discussing the known or potential hazardous materials impacts suitable for inclusion in the environmental document. Should the findings of the ISA conclude that additional investigation, special considerations, or other commitments from the State are required

during future stages of project development, the Engineer shall review those findings and commitments with the State prior to completing the hazardous materials discussion for the environmental document.

H. Section 4(f) Analysis

The Engineer shall determine Section 4(f) impacts in compliance with U.S. Transportation Act. The Engineer will identify any Section 4(f) properties that may be impacted by the Project. The Engineer will work with the State to avoid impacts to the Section 4(f) properties. All Section 4(f) evaluations shall meet the requirements set forth in the State's Environmental Compliance Toolkit guidance. Because the improvements would take place partially within the NRHD listed Dripping Springs Downtown Historic District, it is anticipated that the project would require a Section 4(f) de minimis checklist. If the project would require a programmatic or individual evaluation, that would be performed under a supplemental work authorization.

I. Section 6(f) Evaluation

The Engineer shall determine if Land and Water Conservation Fund Act funds were used for the Section 4(f) property in accordance with the regulatory requirements and TPWD guidelines. It is not anticipated that the Project will require evaluation of a Section 6(f) impact. Additional work required to evaluate, mitigate, and coordinate a Section 6(f) property impact would be done under a supplemental work authorization.

PUBLIC OUTREACH

A. Property Owner and Stakeholder Support

The Consultant will plan and implement one open house meeting and six stakeholder meetings to discuss improvements along Fitzhugh Road with adjacent property owners and stakeholders. The meetings will be held at Dripping Springs City Hall and will provide property owners an opportunity to ask questions and share feedback. The consultant will document meeting attendance and summarize questions and concerns property owners raise. The documentation and summaries will be collected in a meeting summary report for each of the seven meetings.

The Consultant will work with the Communications Director to notify property owners of the upcoming meetings via a mailed letter with details of the meeting day, time and location. The Consultant will develop materials and roll plots and other large-format exhibits depicting the project for the Open House. Small format 8.5 x 11 exhibits showing property impacts will be developed for individual stakeholder coordination. The Consultant will prepare and produce all approved exhibits and materials and will transport all meeting materials to and from the venue.

The Consultant will also develop a presentation to present project updates and status at up to three stakeholder and board meetings.

Assumptions:

- The in-person property owner meetings will take place at a venue available to the City, such as City Hall or a school with tables and chairs readily available through the venue.
- A list of property owners and their mailing addresses will be provided.

Deliverables:

- Meeting planning, logistics coordination and mailing services to schedule meetings with property owners.
- Development and production of meeting materials and exhibits.
- Draft and final meeting summary reports in Word format.
- Stakeholder/property owner database in Excel format.
- PowerPoint presentation for stakeholder and board updates.

RIGHT OF WAY SURVEYING

The purpose of this task is to provide topographic design and right-of-way surveying. All survey work shall conform to Doucet design specifications, including, but not limited to: field book format, data collection techniques, digital file formats and deliverables. Topographic Mapping will conform to TSPS standards and specifications for a Category 6, Condition II Topographic Survey. Right-of-way mapping and property descriptions will conform to TSPS standards and specifications for a Category 1B, Condition II Land Boundary Survey.

The Surveyor shall:

1. **Perform geodetic control surveys and aerial mapping**. Surveyor shall set horizontal and vertical primary control points using a 1/2" rebar at least 18 inches long or driven to refusal (whichever comes first) with aluminum cap. Set primary control points near the beginning, middle and end of the project, but away from possible disturbance from construction activity. The primary control points shall be set at an approximate spacing of 3,500 feet and shall be inter-visible with each other whenever possible. These points shall be used as the primary horizontal and vertical control for the project and shall serve as the temporary benchmarks (TBM's) for the project. Horizontal and vertical data for primary control shall be based on Static GPS observations. Secondary control points shall be set as necessary for conventional ground surveying and terrestrial LiDAR scans based on an approved project control layout plan. An 8½ inch by 11-inch Survey Control Data Sheet shall be prepared for each primary control point. A Survey Control Index Sheet shall be prepared showing all project control. Secondary control shall serve as aerial targets for drone imagery acquisition.

2. **R.O.W. Supplemental Topographic & Tree Survey.** Doucet will prepare supplemental design-level tree and topographic survey along Old Fitzhugh Road from the intersection with Mercer Street to Ranch Road 12 according to exhibit "MAS_OFR concept plan 40sc_2018.05.22 - small.pdf". The survey will tag and locate protected trees, 8 inches and greater in diameter, within the boundary limits of said site. The tree survey will be performed in accordance to the City of Dripping Springs Standard Specifications and Details Manual. The topographic design survey will be performed in accordance with Texas Society of Professional Survey standards for

a Category 6 Condition II Topographic survey and will be based on NAD 83 (2011) using NAVD88 vertical datum with Geoid 12B. The survey will field locate found visible features, both horizontally and vertically, including existing on-site structures, buildings, drainage features, adjacent and onsite sidewalks, curb lines, pavement, and visible above-ground utility appurtenances. One vertical benchmark monument will be set on-site. Topographic data will be utilized in developing a digital terrain model used to generate one-foot contours on the survey. Doucet will contact Texas 811 for utility locate, markings placed by purveyors will be surveyed at time of design survey. The survey drawing will be signed and sealed by a Texas Registered Professional Land Surveyor. Right-of-entry access is to be performed by others.

3. **Right-of-Way Survey.** Doucet will perform Right-of-Way boundary reconnaissance on the ground in a sufficient manner to delineate, close and "tie-off" existing Right-of-Way location along Old Fitzhugh Road from the intersection with Mercer Street to Ranch Road 12. Title search confirming Hays County dedication of Right-of-Way to the City of Dripping Springs will be performed. The Survey will be performed in accordance with the Texas Society of Professional Surveyors Standards for a Category 1A Condition II Land Title Survey and will be based on the Texas Coordinate System NAD 83 (2011). Surveyor shall prepare a right-of-way map set to include existing conditions, resolved right-of-way and property lines, proposed right-of-way and easement lines, roadway centerline alignment and utility and ownership data. Right-of-entry access is to be performed by others.

4. **Storm Drain (4) and Trail (2) Easement Descriptions Survey.** Doucet will use the established boundary survey to create four (4) Storm Drain and two (2) Trail Easement Descriptions to facilitate improvements within or immediately adjacent to the referenced project site according to exhibit "MAS_OFR concept plan 40sc_2018.05.22 - small.pdf". Easement documentation and recordation will be performed by others. Doucet will prepare easement exhibits and accompanying metes and bounds descriptions of proposed easement locations to be identified by the project engineer and determined at a later date. Easement Descriptions will be signed and sealed by a Texas Registered Professional Land Surveyor. Right-of-entry access is to be performed by others.

URBAN DESIGN AND LANDSCAPE ARCHITECTURE

Develop plans, sections and details that describe the urban design, landscape and hardscape elements of the Project, including, but not limited to street trees, planting areas, pavement treatments and materials, seat walls, specialty paving, lighting, etc. Landscape sheets will describe plant materials, tree and other landscape planting details and under-drainage, as applicable, and irrigation. The design of raingardens or other green infrastructure or "LID" elements will be designed by others and coordinated as part of the streetscape design.

Consistent with the overall schedule of deliverables for the project, prepare its drawing sheets, which will include the hardscape and landscape series of drawings for the 30%, 60%, 90% and Final submittals.

A. Hardscape Sheets
The required, 11" X 17" format plan sheets will be prepared using HDR's roadway (civil) drawings as a base, and will include:

- Layout plans at 1" = 30' scale, describing the back-of-curb alignments and treatments of shared-use-paths, the location and configuration of landscaped areas, light standards, intersections, driveway curb cuts, crosswalks, and other urban design and placemaking elements;
- Up to six (6) ROW cross-sections at 1/16" = 1'-0" scale, describing each distinct design condition within the Project limits, identifying the relationship of the planned improvements with existing buildings and other site features;
- Up to six (6) detailed, back-of-curb cross-sections at 1/4" = 1'-0" scale, describing the above ROW cross-sections in more detail;
- Various other plan and section details, at appropriate scales, to describe the overall scope of and elements within the Project; and
- Up to three, perspective *Sketch-Up* views, describing the treatment of the streetscape.

B. Landscape and Irrigation Sheets
The required, 11" X 17" format landscape plan sheets and irrigation plan sheets will be prepared using MAS' hardscape drawings as a base and will include:

- Six (6) landscape layout plans at 1" = 30' scale, describing the location and type of all landscape elements including street trees, existing trees, planting beds, etc.
- Planting details, including street trees in planting beds and tree and/or paver grates, if applicable;
- Various other plan and section details, at appropriate scales, to describe the overall landscape scope of and elements within the Project; and
- Six (6) irrigation layout plans at 1" = 30' scale;
- Irrigation details and specifications

C. Landscape Specifications
Identify the applicable standard landscape and irrigation specifications, and any "special specifications" or provisions and the appropriate reference items for inclusion in the overall Project Manual.

D. Landscape and Irrigation Cost Estimates

Provide estimates of probable construction costs for landscape and irrigation elements as part of each of the four, PS&E submittals.

E. At the appropriate level of detail per each of the PS&E submittals, MAS will provide:

- Hardscape Sheets;
- Landscape Sheets (including enlarged plans to depict any special areas);
- Landscape Standard and Special Specifications; and
- Landscape Cost Estimate

GEOTECHNICAL ENGINEERING AND PAVEMENT DESIGN

The scope of services will include four phases, geotechnical investigation (drilling and laboratory services), infiltration/percolation testing, geotechnical data reporting, and pavement engineering, which are described below. Field and laboratory testing services will be performed by our subconsultant, HVJ Associates. Prior to drilling, HVJ will call Texas 811 to have utilities located in the area of the proposed borings. Additional utility location actions beyond contacting the above utility locator service are not

included in this Scope of Services.

A. Geotechnical Investigation
Seven (7) borings to depths of 10 feet to aid in pavement design improvements. The borings will be spaced approximately 500 feet apart along the alignment for a total of 70 lineal feet. The soil samples will be obtained using Shelby tubes and/or split-spoon samplers. Field-testing of soil samples will include pocket penetrometer in the cohesive soils and Standard Penetration Test (SPT) in the cohesionless soils. If bedrock is encountered, the boring will be terminated at auger refusal. The soil borings will be properly backfilled with bentonite chips and a single lift of cold patch asphalt where applicable.

All the field sampling and laboratory tests will be performed in general accordance with TxDOT design standards, where applicable. HVJSCTx will perform laboratory tests on soil samples recovered from the borings. Laboratory testing will include moisture content, liquid limit, plastic limit, percent passing the #200 sieve, proctor and California Bearing Ratio (CBR) tests. Analytical testing will include sulfate testing.

B. Infiltration/Percolation Tests
Infiltration testing at the four stormwater basin sites. According to the Environmental Criteria Manual (ECM), 1.6.7.4-Infiltration Rate Evaluation (ECM) 1.6.74-Infiltration Rate Evaluation – "The percolation test is geared towards investigating smaller infiltration facilities (i.e., facilities with drainage areas 2 acres or less and maximum ponding depths 12 inches or less). The test can be conducted using simple tools and manual labor and does not require extensive excavation." The purpose of this investigation is to help determine the infiltration rate through in-situ field testing and visually classify soil characteristics with field tests to aid in the design of draining facilities. The ECM section 1.6.7.4 D. Percolation Test Protocol will be followed for this testing procedure.

C. Geotechnical Engineering Report
Results of the field data and laboratory data will be used to develop a geotechnical data report (GDR) for the proposed roadway improvements. The GDR study will be prepared by an engineer specializing in soil mechanics after reviewing available design, boring and laboratory data. In general, the following items will be included in the GDR:

- Site Vicinity map,
- Geology map,
- Plan of borings,
- Boring logs, Wincore format
- Laboratory test results summary,
- Groundwater conditions,
- Generalized subsurface conditions,
- Infiltration tests results.

D. Pavement Design
Using the subsurface information obtained by HVJ, HDR will develop a flexible pavement thickness designs in general accordance with TxDOT Pavement Design Manual. Our technical design memorandum will include recommended flexible pavement thicknesses including materials and earthwork recommendations. Deliverables to include a draft and a final pavement design memorandums.

Assumptions:

- Borings will be accessible with truck mounted drilling equipment.

- No clearing or grading will be required.
- City of Dripping Spring will provide 20 year 18-kip Equivalent Single Axle Load (ESAL) to be used for pavement design.
- Field services to be performed in Level D personal protective equipment during normal daytime working hours.
- We will make reasonable efforts to limit distress to improved areas; however, we are not responsible for damage to landscaped areas.
- City of Dripping Springs will provide temporary traffic control, where necessary.
- City of Dripping Springs will provide street cut permits, if necessary, at no cost to this project.

ACCESSIBILITY REVIEW

Perform the following services in compliance with the Chapter 469 of the Texas Government Code, State of Texas Architectural Barriers Act to verify compliance with the Texas Accessibility Standards (TAS):

- Register the project with TDLR
- Perform plan review of the project construction documents (as provided by client)
- Perform the final inspection of the project upon completion

The proposal excludes services to determine compliance with other federal, state, or local accessibility requirements such as Public Rights-of-Way Guidelines (PROWAG) and accessibility requirements of building and housing codes such as the International Building Code (IBC).

DELIVERABLES

- Proof of project registration via the TDLR Proof of Registration Sheet.
- Plan Review Report detailing the observed findings of elements that are not in compliance with the Texas Accessibility Standards (TAS).
- Inspection Report detailing the observed elements that are not in compliance with the Texas Accessibility Standards (TAS).

PS&E PREPARATION

A. **Specifications and General Notes:** The ENGINEER shall identify necessary standard specifications, special specifications, special provisions, and the appropriate reference items. The ENGINEER shall prepare General Notes from the City or TxDOT master list, Special Specifications and Special Provisions for inclusion in the plans and bidding documents. The ENGINEER shall provide General Notes, Special Specifications and Special Provisions in the required format as specified by the City.

B. **Plans and Estimate:** The ENGINEER shall independently develop the submittal package for each defined deliverable milestone. Numbering of Plan Sheets will be updated with the continued development of the project documents for each submittal. Electronic and hard copy sets of the project documents will be provided at each milestone. The construction plans will include the necessary bid and construction documentation to construct the project in standard City bid format at the specified milestones (30%, 60% & 90%) and Final PS&E submittals. The

ENGINEER shall prepare a construction cost estimate at each defined milestone using the latest available bid data from City or TxDOT sources.

C. **Contract Time Determination:** The ENGINEER shall prepare a detailed contract time estimate to determine the approximate time required for construction of the project in calendar and working days at the 90% and Final PS&E milestone using Primavera P6 software or Microsoft Project. The schedule shall include tasks, subtasks, critical dates, milestones, deliverables, and review requirements in a format which depicts the interdependence of the various items and adjacent construction packages. The ENGINEER shall aid the City in interpreting the schedule.

D. **QA/QC Reviews:** ENGINEER will provide QA/QC reviews for 60%, 90%, and 100% Final submittals including a construability review at the 60% submittal and review of joint-bid utility plans (if any) at each submittal.

DELIVERABLES

The ENGINEER shall provide the following deliverables at each submittal:

A. **30% Plans Submittal:**
   a. One printed set and one electronic set of 11” x 17” plan sheets (.PDF format) for City Review.
   b. Estimate of construction cost.
   c. ENGINEER’s internal QA and QC markup set.
   d. Utility Conflict Matrix

B. **60% Plans Submittal:**
   a. One printed set and one electronic set of 11” x 17” plan sheets (.PDF format) for the City review.
   b. Estimate of construction cost.
   c. ENGINEER’s internal QA and QC marked up set.
   d. Utility Conflict Matrix
   e. Geotechnical Report
   f. Environmental Constraints Report

C. **90% Plans Submittal:**
   a. One printed set and one electronic set of 11” x 17” plan sheets (.PDF format) for the City review
   b. List of governing Specifications
   c. General notes
   d. Plans estimate
   e. Contract time determination summary (Construction Schedule)
   f. ENGINEER’s internal QA and QC marked-up set.
   g. Other supporting documents.

D. **Final submittal (100%).**
   a. Two printed sets and one electronic set of 11” x 17” plan sheets (.PDF format)
   b. Revised supporting documents from 90% review comments.
   c. Master design reference files in Microstation format

BID PHASE SERVICES (Hourly)

A. **Prepare Bid Manual –** The ENGINEER shall prepare the project bid manual including latest City front end documents, bid tabulation form (electronic and pdf), contract documents and specifications.

B. **Attend Pre-bid Meeting and Furnish Documents –** The ENGINEER shall be present at the

pre-bid meeting and describe the project improvements and bid documents to prospective bidders.

C. Prepare and Distribute Addendum – The ENGINEER shall produce no more than one (1) addendum, as needed, for question response or correction to the bid documents, and distribution to bidders.

D. Prepare Bid Tab dation – The ENGINEER shall analyze contractor bids and prepare bid tabulation, .

CONSTRUCTION PHASE SERVICES (Hourly)

A. Pre-Construction Meeting – The ENGINEER will attend one pre-construction meeting with the Contractor, the City's project manager, and related City staff; at an agreed upon date and time.

It would be appropriate at this time to include public and private utility companies, City Planning & Engineering and Public Works representatives, and other parties responsible for oversight and/or approvals that may be directly involved in this project.

This meeting will be to discuss any project related items, including but not limited to questions related to the construction documents, the construction schedule, scheduled construction status meetings, pay requests, and communication methods (e-mail, phone, fax, etc.) available to both the Contractor, the ENGINEER, and the CITY. The ENGINEER will document meeting notes and submit to the City for inclusion into the meeting minutes.

B. Review of Contractor Submittals – The ENGINEER will review construction submittals and shop drawings relative to the project specifications and details provided by the Contractor. The Contractor is responsible for providing shop drawings that have complete project information, are clearly depicted, and are ready for the ENGINEER'S review.

The Contractor may submit Shop Drawings and/or Construction Submittals noting minor changes to the Construction Drawings, Specifications, or other information provided by the ENGINEER; and within the area of expertise of the ENGINEER; then modifications and/or approvals may be provided by the ENGINEER. A maximum of twenty (20) Construction Submittal reviews are anticipated.

C. Construction Site Visits – The ENGINEER will perform periodic site visits and observations during project construction. Based on the construction schedule timeline developed by the ENGINEER, no more than eight (8) visits are anticipated.

It is at the ENGINEER'S discretion whether to notify the Contractor of a planned or anticipated visit. The ENGINEER may notify the Contractor prior to a site visit to meet the Contractor in the field and discuss ongoing construction operations.

The ENGINEER may request photographs and/or video be taken of specific items in the field by the Contractor. The ENGINEER may also take photographs and/or video to document construction progression, site conditions, or safety issues.

D. Requests for Information – The ENGINEER will respond to written Requests for Information (RFI's) during construction. The ENGINEER will accept written Requests for Information provided by the Contractor. The Contractor is responsible for providing complete and clearly written documents, ready for the ENGINEER'S review.

The Contractor may submit RFI's to ask for clarification of the Construction Drawings,

Specifications, or other information provided by the ENGINEER for:

Bidding Purposes: and within the area of expertise of the ENGINEER. A maximum of ten (10) RFI reviews are anticipated.

If the Contractor requests RFI's for items outside of the ENGINEER'S area of expertise; they may not be approved by the ENGINEER. The Contractor may then choose to have a Registered Engineer in the State of Texas, with that specific expertise, provide Sealed Shop Drawings for review, rather than an RFI

E. Final Walk-Through / Punch List – The ENGINEER will accompany the City Representative and the Contractor on a final walk-through when the Contractor notifies the CITY that the project is substantially complete and ready for final inspection.

The ENGINEER may photograph and/or video the completed work, make verbal comments to the City Representative and to the Contractor during final walk-through; develop a written punch list of items yet to be completed, to be adjusted, removed and / or replaced; document incomplete or missing items; and note those items that are complete and accepted.

The ENGINEER, Contractor, and City will meet at a designated place and time to discuss the Final Walk-Through findings and Punch List. It shall be the Contractor's responsibility to complete the Punch List to the satisfaction of the City prior to acceptance of the project as being constructed in accordance with the construction documents.

Following project acceptance, the Final Acceptance Letter will be completed, and the contractor field notes will be included in as-built drawings as a part of the As-Built Plan deliverables.

F. As-Built Plans – The ENGINEER will prepare and submit final as-built plans that reflect field changes for RFI's and change order design modifications and Contractor field mark-ups for the project. One 11" x 17" as-built set along with an electronic copy of the drawings shall be submitted to the City for their records. Additionally, GIS data files will be developed from the project CADD files and submitted to the CITY for review.

G. Project Management –. The ENGINEER will prepare monthly invoices and progress reports and implement a QA/QC program throughout the project for all construction record deliverables.

DELIVERABLES

A. Final Design & Bidding

- Conformed Construction Plans, Cost Estimate meeting City and TxDOT Standards and Specifications
- Project Bid Manual
- Addendums
- Bid Tabulation

B. Pre-Construction and During Construction:

- Pre-Construction Meeting related documents such as:
  - Agenda
  - Meeting Minutes
- Construction Submittals and Log
- Construction RFI's and Log
- Construction Site Visit Minutes

- Construction Punch List
- Construction Final Acceptance Letter
- As-Built Plans & GIS files

EXCLUSIONS

- Construction Inspection and Materials Testing services are excluded from this contract. These services will be performed by the CITY through other contracting measures
- Design services beyond those specifically stated in this scope and any previously approved scopes
- Additional construction surveying
- Daily or repeated Construction Inspection Services beyond field meetings established in the scope
- Renderings or animated models
- Retaining Wall Design
- Traffic Signal Warrant Studies or Signal Design
- Utility Relocation Design
- Bid advertisement for the construction project

EXHIBIT B-1

ADDITIONAL ENGINEERING SEVRICES TO BE PROVIDED BY THE ENGINEER

For Roadway Improvements on Old Fitzhugh Road

Dripping Springs, Texas

The following additional services are required for the Old Fitzhugh Road project:

- Addition of sidewalk along the west side of RM 12 between Old Fitzhugh Road and Roger Hanks Parkway.
- Provide additional drainage services as described below.
- Provide continuous illumination as an add alternative.
- Provide design of Old Fitzhugh Road Historic District Gateway at the southwest corner of the RM 12 intersection.

The additional services for this work are further described below. Services in Exhibit B of the approved contract will remain in place.

PROJECT MANAGEMENT

Project Management services needed to complete the design phase are anticipated to span a period of 24 months. (Originally August 2023 bid, now August 2025 bid.)

ROADWAY DESIGN

This includes work in the 90% and 100% Design Phase.

Additional design is required to extend the sidewalk between Old Fitzhugh Road and the south side of Roger Hanks Parkway on the west side of RM 12 within TxDOT Right of Way. The design work will follow TxDOT design standards and specifications. The required tasks will remain consistent with the approved scope of services.

DRAINAGE DESIGN

This includes work in the 30%, 60%, and 90% Design Phase.

30% Design Phase - Water Quality Design

Based on the Concept Design, water quality design was to be achieved through rain gardens (shallow infiltration basins) along Old Fitzhugh Road. During the 30% design process, Doucet evaluated the feasibility of rain gardens and worked with HDR and MAS in developing typical rain gardens with planting and materials selection. It was determined that there was not sufficient space within the existing right-of-way to fit rain gardens along the roadway without

acquisition of additional right-of-way for water quality purposes. Doucet developed an alternative means to achieving the City's water quality regulations. Doucet began to review stormwater conveyance options at the rear of selected lots abutting a small tributary of Onion Creek. Two extended detention basins were proposed with nominal capacity to treat runoff from additional impervious cover from the roadway project and preliminary locations were identified.

60% Design Phase - Water Quality Design

At the 60% design phase, Doucet began to evaluate water quality facility options. At this point, the drainage aspects of the project were still in a schematic option phase for consideration without going straight into design of an approved schematic plan. Recognizing that additional drainage easement areas would be necessary to accommodate rear of lot water quality and possible detention ponds, Doucet was asked to evaluate several options for meeting the water quality requirements for the project as well as future development for the lots of interest. Doucet developed alternative water quality and detention ponds, designing the shape, volume, and discharge concepts for the fully developed lots. Exhibits were prepared to share with the City. Several iterations were performed to reduce the footprint and work with the topography, trees, and developable area of each lot to minimize impact. Towards the end of the 60% design phase, Doucet was asked to proceed forward with designs at the rear of lot only for proposed roadway improvements.

90% Design Phase - Water Quality Design

As revealed in the 60% design, stormwater flows from contributing drainage areas from the east need to be captured and conveyed for the roadway design to meet emergency vehicle access design criteria and to make the roadway safer during more intense rains. This requires the addition of drainage inlets on the east side of the road with piped laterals to connect with the main storm drain system on along the west side of the road. An existing wastewater main in the center of the existing road may create conflicts with the proposed storm drain laterals and additional engineering is required to address this.

SIGNING AND PAVEMENT MARKING – No additional services are required.

TRAFFIC CALMING – No additional services are required.

TRAFFIC CONTROL PLAN, DETOURS, AND SEQUENCE OF CONSTRUCTION

This includes work in the 90% and 100% Design Phase.

The ENGINEER shall prepare one additional phases of Traffic Control Plans (TCP) for the extension of the sidewalk on the west side of RM 12. A detailed TCP shall be developed in accordance with the latest edition of the TMUTCD including:

A. **Traffic Control Narrative:** Provide a written narrative of the construction sequencing and work activities per phase and determine the existing and proposed traffic control

devices (regulatory signs, warning signs, work zone pavement markings, barricades, flaggers, temporary traffic signals, etc.) to be used to handle traffic during each construction sequence.

B. Traffic Control Phasing Layouts: Prepare Traffic Control Phasing Layouts (1 Additional Phase assumed) including typical sections that identify the travel lanes and work zones. The ENGINEER shall show proposed traffic control devices for at-grade intersections during each construction phase (stop signs, flaggers, signals, etc.).

ILLUMINATION

HDR will provide supplemental engineering services for the illumination design and the irrigation systems electrical design along the roadway improvements of Old Fitzhugh. The supplemental services are required for continuous pedestrian-level illumination and provision of electric services for irrigation systems. ***This includes work in the 60%, 90%, and 100% Design Phase.***

E. Project Task List

The following tasks included in the approved scope were initially proposed for pedestrian level illumination at activity nodes and intersections. Additional scope is required to complete the following tasks for continuous pedestrian level illumination and irrigation electrical service provisions. Details are provided in the approved scope of services.

a. Data Collection
b. Survey
c. Continuous Illumination & Irrigation Systems Electrical Design
    i. Utility power company coordination
    ii. ANSI/IES RP-8-21 Roadway & Landscape Illumination Compliance
    iii. Landscape Illumination assembly selections and options
    iv. Photometric analysis (Project Limits)
    v. Overcurrent protection of electric services and branch circuits
    vi. Voltage drop analysis for electrical services and branch circuits
    vii. Electrical service load analysis and schematics
    viii. NEC, City, and TxDOT compliance
    ix. Landscape Illumination & Irrigation Systems Electrical Removal Plans
    x. Landscape Illumination & Irrigation Systems Electrical Summary & Plans
    xi. Landscape Illumination & Irrigation System Electrical mounting details (if applicable)
d. Electrical for Continuous Pedestrian Illumination System & Irrigation Systems
    i. Utility Power Coordination

ii. ANSI/IES RP-8-21 Roadway & Landscape Illumination Compliance
iii. Photometric Analysis
iv. Overcurrent Protection
v. Voltage Drop
vi. Electrical Service Load Analysis and Schematics
vii. NEC, City and TxDOT Compliance
viii. Landscape Illumination & Irrigation Systems Electrical Removal Plans
ix. Landscape Illumination & Irrigation Systems Electrical Summary & Plans
x. Landscape Illumination & Irrigation Systems Electrical Details & Specifications

The following new tasks included are required to complete the following tasks for continuous pedestrian level illumination and irrigation electrical service provisions.

a. Landscape Illumination Assembly Selections and Options
    i. Coordinate the landscape illumination design options with the City (and other Engineers as required) for overall final landscape illumination assembly selections and layout.

Design Fee Qualifications

a. All illumination drawing files will be produced in 2D utilizing Microstation.
b. Visual 2020 Lighting Software will be utilized for the photometric analysis.
c. Utility Power Company to provide power source voltage availability for existing / new landscape illumination and irrigation systems electrical services and existing overhead and/or underground power source infrastructure.

Exclusions – The Scope of Services DOES NOT include the following:

a. Revising or adding new electrical loads to any existing illumination electrical services within project limits.
b. Removal of existing utility company pole mounted illumination heads and arms controlled and owned by the utility power company.
c. Final Coordination Study & Arc Flash Analysis.

STORM WATER POLLUTION PREVENTION PLANS (SW3P) – No additional services are required.

UTILITY COORDINATION – No additional services are required.

ENVIRONMENTAL – No additional services are required.

PUBLIC OUTREACH – No additional services are required.

RIGHT OF WAY SURVEYING

This includes work in the 30%, 60%, and 90% Design Phase.

Additional survey work was requested to survey the two rear lot locations where water quality and possible detention were being investigated. There was also additional survey information requested along Old Fitzhugh Road corridor for driveway and elevation grade tie-ins, along with title abstracts review and researching parcels. The survey also picked up the Crumley Tract for an impervious cover evaluation.

Given the proposed drainage design to be inclusive of offsite flows from the east while maintaining emergency vehicle transportation design criteria, conflict avoidance with the existing wastewater line in Old Fitzhugh is important. The original survey did not pick up one of the manholes (MH#5) in the system as it was buried underground. There was also some discrepancy between the survey of MH#4 and that of record as-built drawings provided. Doucet proposed to have a survey crew go back out int the field and survey MH#5 horizontal and vertical information and verify flowlines of MH#4.

URBAN DESIGN AND LANDSCAPE ARCHITECTURE

This includes work in the 90% and 100% Design Phase.

The following landscape-related, additional services are required for the Old Fitzhugh Road project for MAS, the Project Landscape Architect:

- Assist in designing the extension of the shared-use path (SUP) along the west side of RM 12 between Old Fitzhugh Road and the south side of Roger Hanks Parkway, including a possible trailhead or “Node #6” at this junction, if City deems appropriate.
- Provide additional landscape and irrigation design services needed for the new extension of the SUP.
- Assist with determining locations of illumination poles to be included in the “continuous illumination” add-alternate.
- Provide landscape, hardscape, furnishings and irrigation design for the newly-scoped Old Fitzhugh Road Historic District Gateway at the southwest side of the intersection of Old Fitzhugh Road and RM 12.
- Lead meetings with stakeholders (City’s historic group and native plant/landscape) to develop design of the Old Fitzhugh Road Historic District Gateway to gain design approval or “go-ahead” from City.
- Assist with finalizing locations and specifying illumination poles and fixtures for the gateway the Old Fitzhugh Road Historic District Gateway.

A. Landscape Sheets

The required, 11” X 17” format plan sheets will be prepared using HDR’s roadway (civil) drawings as a base and will show other existing and planned utilities in a half-tone. Landscaping and hardscaping sheet will include those in the original scope of services with the following additional sheets:

- Landscape Planting Plans, describing the location and type of all landscape elements including street trees, existing trees, planting beds, etc. These plans will include the Old Fitzhugh Road Historic District Gateway.

- Enlarged Plans of the gateway landscape / hardscape;
- Perspective View Renderings, up to three, conceptual renderings to illustrate the treatment of the streetscape as well as the "gateway" view to the existing Dripping Springs sign near the RM 12 intersection. (Note: The Old Fitzhugh Road Historic District Gateway will be designed in collaboration with the Native Plant Society of Central Texas, with the assumption that this group will assist with the initial and ongoing maintenance of this specialty garden. It is assumed that a MAS principal will lead a workshop with the CODS and its historic group, the Native Plant Society and others to further develop the concept depicted in the 60% Landscape Plans.)

GEOTECHNICAL ENGINEERING AND PAVEMENT DESIGN – No additional services are required.

ACCESSIBILITY REVIEW – No additional services are required.

PS&E PREPARATION – No additional services are required.

BID PHASE SERVICES (Hourly)

- Provide increased Bid Phase services appropriate to this revised Scope for the Old Fitzhugh Road Historic District Gateway.

CONSTRUCTION PHASE SERVICES (Hourly)

- Provide increased Construction Phase services appropriate to this revised Scope for the Old Fitzhugh Road Historic District Gateway.

EXCLUSIONS

- Construction Inspection and Materials Testing services are excluded from this contract. These services will be performed by the CITY through other contracting measures
- Design services beyond those specifically stated in this scope and any previously approved scopes
- Additional construction surveying
- Daily or repeated Construction Inspection Services beyond field meetings established in the scope
- Renderings or animated models
- Retaining Wall Design
- Traffic Signal Warrant Studies or Signal Design
- Utility Relocation Design
- Bid advertisement for the construction project

Exhibit C

OLD FITZHUGH ROAD PSE

Old Fitzhugh Road PS&E

	Summary		HDR	Doucet	MAS	HVJ	TOTAL
A	**Project Management**						
		Hours	168	56	45	0	**269**
		Fee	$35,860	$9,888	$7,500	$0	**$53,248**
B	**Roadway Design**						
		Hours	531	0	0	0	**531**
		Fee	$70,855	$0	$0	$0	**$70,855**
C	**Drainage Design**						
		Hours	0	609	0	0	**609**
		Fee	$0	$104,890	$0	$0	**$104,890**
D	**Signing and Pavement Marking**						
		Hours	201	0	0	0	**201**
		Fee	$27,850	$0	$0	$0	**$27,850**
E	**Traffic Calming**						
		Hours	28	0	0	0	**28**
		Fee	$4,280	$0	$0	$0	**$4,280**
F	**Traffic Control Plans**						
		Hours	190	0	0	0	**190**
		Fee	$25,550	$0	$0	$0	**$25,550**
G	**Illumination**						
		Hours	447	0	0	0	**447**
		Fee	$77,580	$0	$0	$0	**$77,580**
H	**Erosion Control and SW3P Narrative**						
		Hours	92	6	0	0	**98**
		Fee	$11,580	$1,483	$0	$0	**$13,063**
I	**Utility Coordination**						
		Hours	364	0	0	0	**364**
		Fee	$61,660	$0	$0	$0	**$61,660**
J	**Environmental**						
		Hours	366	0	0	0	**366**
		Fee	$45,140	$0	$0	$0	**$45,140**
K	**Public Outreach**						
		Hours	252	54	40	0	**346**
		Fee	$30,420	$10,249	$4,480	$0	**$45,149**
L	**Right-of-Way Surveying**						
		Hours	0	127	0	0	**127**
		Fee	$0	$19,776	$0	$0	**$19,776**
M	**Landscape, Streetscape Design, and Urban Design**						
		Hours	0	0	600	0	**600**
		Fee	$0	$0	$65,200	$0	**$65,200**
N	**Geotechnical Engineering and Pavement Design**						
		Hours	36	6	0	74	**116**
		Fee	$8,640	$1,174	$0	$15,612	**$25,426**
O	**PS&E Preparation**						
		Hours	105	0	0	0	**105**
		Fee	$20,100	$0	$0	$0	**$20,100**
P	**Bid Phase Services**						
		Hours	52	10	8	0	**70**
		Fee	$8,790	$2,009	$1,000	$0	**$11,799**
Q	**Construction Phase Services**						
		Hours	116	49	24	0	**189**
		Fee	$19,930	$8,642	$3,000	$0	**$31,572**
R	**Expenses**						
		Fee	$5,175	$1,000	$1,000	$0	**$7,175**
		TOTAL HOURS	**2,780**	**858**	**685**	**74**	**4397**
		TOTAL FEE	**$453,410**	**$159,110**	**$82,180**	**$15,612**	**$710,312**

Old Fitzhugh Road PS&E

	Summary by Phase	HDR	Doucet	MAS	HVJ	TOTAL
	30 Percent Design Plans					
A	**Project Management**	67.2 $14,344	22.4 $3,955	13.5 $3,000	0 $0	80.7 $15,974
B	**Roadway Design**	100 $13,810	0 $0	0 $0	0 $0	100 $13,810
C	**Drainage Design**	0 $0	173 $31,080	0 $0	0 $0	173 $31,080
D	**Signing and Pavement Marking**	45 $5,175	0 $0	0 $0	0 $0	45 $5,175
E	**Traffic Calming**					
F	**Traffic Control Plans**					
G	**Illumination**	102 $18,030	0 $0	0 $0	0 $0	102 $18,030
H	**Erosion Control and SW3P Narrative**					
I	**Utility Coordination**	73 $12,332	0 $0	0 $0	0 $0	73 $12,332
J	**Environmental**	78 $10,280	0 $0	0 $0	0 $0	78 $10,280
K	**Public Outreach**					
L	**Right-of-Way Surveying**	0 $0	127 $19,776	0 $0	0 $0	127 $19,776
M	**Landscape, Streetscape Design, and Urban Design**	0 $0	0 $0	160 $18,400	0 $0	160 $18,400
N	**Geotechnical Engineering and Pavement Design**					
O	**PS&E Preparation**	27 $5,460	0 $0	0 $0	0 $0	27 $5,460
P	**Bid Phase Services**					
Q	**Construction Phase Services**					
R	**Expenses**	$500	$300	$300	$0	$2,153
	Total Hours	**492**	**322**	**174**	**0**	**988**
	Total Fee	**$79,931**	**$55,111**	**$21,700**	**$0**	**$156,742**

	60 Percent Design Plans					
A	**Project Management**	50.4 10758	16.8 2966.4	13.5 2250	0 0	80.7 15974.4
B	**Roadway Design**	234 $30,910	0 $0	0 $0	0 $0	234 $30,910
C	**Drainage Design**	0 $0	151 $26,157	0 $0	0 $0	151 $26,157
D	**Signing and Pavement Marking**	69 $9,940	0 $0	0 $0	0 $0	69 $9,940
E	**Traffic Calming**	28 $4,280	0 $0	0 $0	0 $0	28 $4,280
F	**Traffic Control Plans**	114 $15,650	0 $0	0 $0	0 $0	114 $15,650
G	**Illumination**	178 $30,370	0 $0	0 $0	0 $0	178 $30,370
H	**Erosion Control and SW3P Narrative**	92 $11,580	6 $1,483	0 $0	0 $0	98 $13,063
I	**Utility Coordination**	291 $49,328	0 $0	0 $0	0 $0	291 $49,328
J	**Environmental**	288 $34,860	0 $0	0 $0	0 $0	288 $34,860
K	**Public Outreach**	252 $30,420	54 $10,249	40 $4,480	0 $0	346 $45,149
L	**Right-of-Way Surveying**					
M	**Landscape, Streetscape Design, and Urban Design**	0 $0	0 $0	180 $20,400	0 $0	180 $20,400
N	**Geotechnical Engineering and Pavement Design**	36 $8,640	6 $1,174	0 $0	74 $15,612	116 $25,426
O	**PS&E Preparation**	26 $5,220	0 $0	0 $0	0 $0	26 $5,220
P	**Bid Phase Services**					
Q	**Construction Phase Services**					
R	**Expenses**	$1,000	$300	$300	$0	$2,153
	Total Hours	**1,659**	**234**	**234**	**74**	**2,200**
	Total Fee	**$242,956**	**$42,329**	**$27,430**	**$15,612**	**$328,327**

	90 Percent Design Plans					
A	**Project Management**	33.6 7172	11.2 1977.6	9 1500	0 0	80.7 15974.4
B	**Roadway Design**	148 $19,570	0 $0	0 $0	0 $0	148 $19,570
C	**Drainage Design**	0 $0	141 $23,716	0 $0	0 $0	141 $23,716
D	**Signing and Pavement Marking**	69 $9,940	0 $0	0 $0	0 $0	69 $9,940
E	**Traffic Calming**					
F	**Traffic Control Plans**	62 $8,130	0 $0	0 $0	0 $0	62 $8,130
G	**Illumination**	106 $18,610	0 $0	0 $0	0 $0	106 $18,610
H	**Erosion Control and SW3P Narrative**					
I	**Utility Coordination**					
J	**Environmental**					
K	**Public Outreach**					
L	**Right-of-Way Surveying**					
M	**Landscape, Streetscape Design, and Urban Design**	0 $0	0 $0	160 $16,400	0 $0	160 $16,400
N	**Geotechnical Engineering and Pavement Design**					
O	**PS&E Preparation**	25 $4,960	0 $0	0 $0	0 $0	25 $4,960
P	**Bid Phase Services**					
Q	**Construction Phase Services**					
R	**Expenses**	$2,675	$300	$300	$0	$2,153
	Total Hours	**444**	**152**	**169**	**0**	**765**
	Total Fee	**$71,057**	**$25,993**	**$18,200**	**$0**	**$115,250**

	100 Percent Design Plans					
A	**Project Management**	17 $3,586	6 $989	5 $750	0 $0	27 $5,325
B	**Roadway Design**	49 $6,565	0 $0	0 $0	0 $0	49 $6,565
C	**Drainage Design**	0 $0	144 $23,937	0 $0	0 $0	144 $23,937
D	**Signing and Pavement Marking**	18 $2,795	0 $0	0 $0	0 $0	18 $2,795
E	**Traffic Calming**					
F	**Traffic Control Plans**	14 $1,770	0 $0	0 $0	0 $0	14 $1,770
G	**Illumination**	61 $10,570	0 $0	0 $0	0 $0	61 $10,570
H	**Erosion Control and SW3P Narrative**					
I	**Utility Coordination**					
J	**Environmental**					
K	**Public Outreach**					
L	**Right-of-Way Surveying**					
M	**Landscape, Streetscape Design, and Urban Design**	0 $0	0 $0	100 $10,000	0 $0	100 $10,000
N	**Geotechnical Engineering and Pavement Design**					
O	**PS&E Preparation**	27 $4,460	0 $0	0 $0	0 $0	27 $4,460
P	**Bid Phase Services**					
Q	**Construction Phase Services**					
R	**Expenses**	$500	$100	$100	$0	$718
	Total Hours	**186**	**150**	**105**	**0**	**440**
	Total Fee	**$30,246**	**$25,026**	**$10,850**	**$0**	**$66,122**
	Bid and Construction Phase					
P	**Bid Phase Services**	52 $8,790	10 $2,009	8 $1,000	0 $0	70 $11,799
Q	**Construction Phase Services**	116 $19,930	49 $8,642	24 $3,000	0 $0	189 $31,572
R	**Expenses**	$500	$0	$0	$0	$500
	Total Hours	**168**	**59**	**32**	**0**	**259**
	Total Fee	**$29,220**	**$10,650**	**$4,000**	**$0**	**$43,870**
	Grand Total Hours	**2,948**	**917**	**713**	**74**	**4,652**
	Grand Total Fee	**$453,410**	**$159,110**	**$82,180**	**$15,612**	**$710,312**

Old Fitzhugh Road PS&E

	Detailled Summary		HDR	Doucet	MAS	HVJ	TOTAL
A	**Project Management**						
		Hours	**168**	**56**	**45**	**0**	**269**
		Fee	**$35,860**	**$9,888**	**$7,500**	**$0**	**$53,248**
B	**Roadway Design**						
		30% Hours	100	0	0	0	100
		30% Fee	$13,810	$0	$0	$0	$13,810
		60% Hours	234	0	0	0	234
		60% Fee	$30,910	$0	$0	$0	$30,910
		90% Hours	148	0	0	0	148
		90% Fee	$19,570	$0	$0	$0	$19,570
		100% Hours	49	0	0	0	49
		100% Fee	$6,565	$0	$0	$0	$6,565
		Total Hours	**531**	**0**	**0**	**0**	**531**
		Total Fee	**$70,855**	**$0**	**$0**	**$0**	**$70,855**
C	**Drainage Design**						
		30% Hours	0	173	0	0	173
		30% Fee	$0	$31,080	$0	$0	$31,080
		60% Hours	0	151	0	0	151
		60% Fee	$0	$26,157	$0	$0	$26,157
		90% Hours	0	141	0	0	141
		90% Fee	$0	$23,716	$0	$0	$23,716
		100% Hours	0	144	0	0	144
		100% Fee	$0	$23,937	$0	$0	$23,937
		Total Hours	**0**	**609**	**0**	**0**	**609**
		Total Fee	**$0**	**$104,890**	**$0**	**$0**	**$104,890**
D	**Signing and Pavement Marking**						
		30% Hours	45	0	0	0	45
		30% Fee	$5,175	$0	$0	$0	$5,175
		60% Hours	69	0	0	0	69
		60% Fee	$9,940	$0	$0	$0	$9,940
		90% Hours	69	0	0	0	69
		90% Fee	$9,940	$0	$0	$0	$9,940
		100% Hours	18	0	0	0	18
		100% Fee	$2,795	$0	$0	$0	$2,795
		Total Hours	**201**	**0**	**0**	**0**	**201**
		Total Fee	**$27,850**	**$0**	**$0**	**$0**	**$27,850**
E	**Traffic Calming**						
		Hours	**28**	**0**	**0**	**0**	**28**
		Fee	**$4,280**	**$0**	**$0**	**$0**	**$4,280**
F	**Traffic Control Plans**						
		60% Hours	114	0	0	0	114
		60% Fee	$15,650	$0	$0	$0	$15,650
		90% Hours	62	0	0	0	62
		90% Fee	$8,130	$0	$0	$0	$8,130
		100% Hours	14	0	0	0	14
		100% Fee	$1,770	$0	$0	$0	$1,770
		Hours	**190**	**0**	**0**	**0**	**190**
		Fee	**$25,550**	**$0**	**$0**	**$0**	**$25,550**

G	**Illumination**						
		30% Hours	102	0	0	0	102
		30% Fee	$18,030	$0	$0	$0	$18,030
		60% Hours	178	0	0	0	178
		60% Fee	$30,370	$0	$0	$0	$30,370
		90% Hours	106	0	0	0	106
		90% Fee	$18,610	$0	$0	$0	$18,610
		100% Hours	61	0	0	0	61
		100% Fee	$10,570	$0	$0	$0	$10,570
		Total Hours	**447**	**0**	**0**	**0**	**447**
		Total Fee	**$77,580**	**$0**	**$0**	**$0**	**$77,580**
H	**Erosion Control and SW3P Narrative**						
		Hours	**92**	**6**	**0**	**0**	**98**
		Fee	**$11,580**	**$1,483**	**$0**	**$0**	**$13,063**
I	**Utility Coordination**						
		Hours	**364**	**0**	**0**	**0**	**364**
		Fee	**$61,660**	**$0**	**$0**	**$0**	**$61,660**
J	**Environmental**						
		30% Hours	78	0	0	0	78
		30% Fee	$10,280	$0	$0	$0	$10,280
		60% Hours	288	0	0	0	288
		60% Fee	$34,860	$0	$0	$0	$34,860
		Hours	**366**	**0**	**0**	**0**	**366**
		Fee	**$45,140**	**$0**	**$0**	**$0**	**$45,140**
K	**Public Outreach**						
		Hours	**252**	**54**	**40**	**0**	**346**
		Fee	**$30,420**	**$10,249**	**$4,480**	**$0**	**$45,149**
L	**Right-of-Way Surveying**						
		Hours	**0**	**127**	**0**	**0**	**127**
		Fee	**$0**	**$19,776**	**$0**	**$0**	**$19,776**
M	**Landscape, Streetscape Design, and Urban Design**						
		30% Hours	0	0	160	0	160
		30% Fee	$0	$0	$18,400	$0	$18,400
		60% Hours	0	0	180	0	180
		60% Fee	$0	$0	$20,400	$0	$20,400
		90% Hours	0	0	160	0	160
		90% Fee	$0	$0	$16,400	$0	$16,400
		100% Hours	0	0	100	0	100
		100% Fee	$0	$0	$10,000	$0	$10,000
		Total Hours	**0**	**0**	**600**	**0**	**600**
		Total Fee	**$0**	**$0**	**$65,200**	**$0**	**$65,200**
N	**Geotechnical Engineering and Pavement Design**						
		Hours	**36**	**6**	**0**	**74**	**116**
		Fee	**$8,640**	**$1,174**	**$0**	**$15,612**	**$25,426**
O	**PS&E Preparation**						
		30% Hours	27	0	0	0	27
		30% Fee	$5,460	$0	$0	$0	$5,460
		60% Hours	26	0	0	0	26
		60% Fee	$5,220	$0	$0	$0	$5,220
		90% Hours	25	0	0	0	25
		90% Fee	$4,960	$0	$0	$0	$4,960
		100% Hours	27	0	0	0	27
		100% Fee	$4,460	$0	$0	$0	$4,460
		Total Hours	**105**	**0**	**0**	**0**	**105**
		Total Fee	**$20,100**	**$0**	**$0**	**$0**	**$20,100**
P	**Bid Phase Services**						
		Total Hours	**52**	**10**	**8**	**0**	**70**
		Total Fee	**$8,790**	**$2,009**	**$1,000**	**$0**	**$11,799**
Q	**Construction Phase Services**						

		Total Hours	116	49	24	0	189
		Total Fee	$19,930	$8,642	$3,000	$0	$31,572
R	Expenses						
		Fee	$5,175	$1,000	$1,000	$0	$7,175
		TOTAL HOURS	2,948	917	717	74	4,656
		TOTAL FEE	$453,410	$159,110	$82,180	$15,612	$710,312

HDR Engineering, Inc.

		Proj Principal	Proj Manager	QC Manager	Sr. Light Engr	Sr. Engr	Proj Engr	EIT	Se. Utility Engr	Sr. Utility Coordinator	Utility Coordinator	Sr. Real Estate Lead	Sr. Real Estate Spec	Real Estate Spec	Sr. Env Lead	Sr. Env. Scientist	Env Scientist	Public Involvement Manager	Public Involvement Coordinator	Graphic Designer I	GIS Analyst	Sr. CADD Tech	CADD Tech	Arch/Historian	Admin Asst	TOTAL
	2022 TIRZ RATES - DRAFT w 2023 Escalation	**$310**	**$260**	**$250**	**$250**	**$240**	**$175**	**$125**	**$250**	**$220**	**$160**	**$300**	**$150**	**$120**	**$200**	**$150**	**$115**	**$130**	**$125**	**$105**	**$130**	**$150**	**$115**	**$95**	**$95**	
A	**Project Management**																									
	A. Coordination with City		30				30																			60
	B. Invoicing and Schedule Updates		16																						8	24
	C. Subconsultant Coordination, Deliverables Review and Invoices		30				30																		8	68
	D.Quality Assurance / Quality Control		8	8																						16
	Task Subtotal Hours	**0**	**84**	**8**	**0**	**0**	**60**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**168**
	Task Subtotal Fee	**$0**	**$21,840**	**$2,000**	**$0**	**$0**	**$10,500**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,520**	**$35,860**
B	**Roadway Design**																									
	30% Plans																									
	A. Title Sheet and Index of Sheets																						4			4
	B.Typical Sections						2																4			6
	C.Project Layout						2	2															4			8
	D.Horizontal Alignment Data Sheets:						2																8			10
	E.Roadway Plan & Profile						4	24															20			48
	F.Intersection Layouts - Cross Streets																									0
	G.Driveway Plan & Profiles																									0
	H.Removal Layouts																									0
	I.Pedestrian and Bicycle Facilities						2	5																		7
	J.Roadway Cross Sections																									0
	K.Miscellaneous Detail Sheets																									0
	L.Quantity Summary Sheets																									0
	M.Standards Selection																									0
	N. 30% PSE Submittal QC and Prepare			4		4	4																5			17
	Task Subtotal Hours	***0***	***0***	***4***	***0***	***4***	***16***	***31***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***45***	***0***	***0***	***100***
	30% Subtotal Fee	***$0***	***$0***	***$1,000***	***$0***	***$960***	***$2,800***	***$3,875***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$5,175***	***$0***	***$0***	***$13,810***
	60% Plans																									
	A. Title Sheet and Index of Sheets																									0
	B.Typical Sections						2																8			10
	C.Project Layout							2															2			4
	D.Horizontal Alignment Data Sheets:																						4			4
	E.Roadway Plan & Profile					4	4	16															30			54
	F.Intersection Layouts - Cross Streets						2	8															6			16
	G.Driveway Plan & Profiles						2	8															4			14
	H.Removal Layouts						2	8															12			22
	I.Pedestrian and Bicycle Facilities						2	8															10			20
	J.Roadway Cross Sections																						40			40
	K.Miscellaneous Detail Sheets						2	4																		6
	L.Quantity Summary Sheets						2	4															10			16
	M.Standards Selection							2																		2
	N. 60% PSE Submittal QC and Prepare			8		4	4																10			26
	Task Subtotal Hours	***0***	***0***	***8***	***0***	***8***	***22***	***60***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***136***	***0***	***0***	***234***
	60% Subtotal Fee	***$0***	***$0***	***$2,000***	***$0***	***$1,920***	***$3,850***	***$7,500***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$15,640***	***$0***	***$0***	***$30,910***
	90% Plans																									
	A. Title Sheet and Index of Sheets																									0
	B.Typical Sections																						2			2
	C.Project Layout																						2			2
	D.Horizontal Alignment Data Sheets:																						2			2
	E.Roadway Plan & Profile					2	2	8															20			32
	F.Intersection Layouts - Cross Streets						2	4															4			10
	G.Driveway Plan & Profiles						2	2															4			8
	H.Removal Layouts							4															10			14
	I.Pedestrian and Bicycle Facilities						2	4															8			14
	J.Roadway Cross Sections																						20			20
	K.Miscellaneous Detail Sheets						2	4																		6
	L.Quantity Summary Sheets						2	4															10			16
	M.Standards Selection						2																			2
	N. 90% Final PSE Submittal QC and Prepare			4		4	2																10			20
	Task Subtotal Hours	***0***	***0***	***4***	***0***	***6***	***16***	***30***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***92***	***0***	***0***	***148***
	90% Subtotal Fee	***$0***	***$0***	***$1,000***	***$0***	***$1,440***	***$2,800***	***$3,750***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$10,580***	***$0***	***$0***	***$19,570***

	100% Plans																								
	A. Title Sheet and Index of Sheets																								0
	B.Typical Sections																								0
	C.Project Layout																								0
	D.Horizontal Alignment Data Sheets:																								0
	E.Roadway Plan & Profile					2		4																	6
	F.Intersection Layouts - Cross Streets							4														2			6
	G.Driveway Plan & Profiles							2														2			4
	H.Removal Layouts																								0
	I.Pedestrian and Bicycle Facilities																					4			4
	J.Roadway Cross Sections																					4			4
	K.Miscellaneous Detail Sheets																					4			4
	L.Quantity Summary Sheets							4														4			8
	M.Standards Selection																					4			4
	N. Final PSE Submittal QC and Prepare			4																		5			9
	Task Subtotal Hours	***0***	***0***	***4***	***0***	***2***	***0***	***14***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***29***	***0***	***0***	***49***
	100% Subtotal Fee	***$0***	***$0***	***$1,000***	***$0***	***$480***	***$0***	***$1,750***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$3,335***	***$0***	***$0***	***$6,565***
	Task Subtotal Hours	**0**	**0**	**20**	**0**	**20**	**54**	**135**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**302**	**0**	**0**	***531***
	Task Subtotal Fee	**$0**	**$0**	**$5,000**	**$0**	**$4,800**	**$9,450**	**$16,875**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**0**	**$0**	**$34,730**	**$0**	**$0**	**$70,855**
C	**Drainage Design**																								
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
D	**Signing and Pavement Marking**																								
	30% Plans																								
	30% - Signing and Pavement Marking																					40			40
	30% - Quantity Summary																					5			5
	Task Subtotal Hours	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***45***	***0***	***0***	***45***
	30% Subtotal Fee	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$5,175***	***$0***	***$0***	***$5,175***
	60% Plans																								
	60% - Signing and Pavement Marking		2	2			15															40			59
	60% - Quantity Summary		2	1			2															5			10
	Task Subtotal Hours	***0***	***4***	***3***	***0***	***0***	***17***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***45***	***0***	***0***	***69***
	60% Subtotal Fee	***$0***	***$1,040***	***$750***	***$0***	***$0***	***$2,975***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$5,175***	***$0***	***$0***	***$9,940***
	90% Plans																								
	90% - Signing and Pavement Marking		2	2			15															40			59
	90% - Quantity Summary		2	1			2															5			10
	Task Subtotal Hours	***0***	***4***	***3***	***0***	***0***	***17***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***45***	***0***	***0***	***69***
	90% Subtotal Fee	***$0***	***$1,040***	***$750***	***$0***	***$0***	***$2,975***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$5,175***	***$0***	***$0***	***$9,940***
	100% Plans																								
	100% Final		2	1			5															10			18
	Task Subtotal Hours	***0***	***2***	***1***	***0***	***0***	***5***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***10***	***0***	***0***	***18***
	100% Subtotal Fee	***$0***	***$520***	***$250***	***$0***	***$0***	***$875***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$1,150***	***$0***	***$0***	***$2,795***
	Task Subtotal Hours	**0**	**10**	**7**	**0**	**0**	**39**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**145**	**0**	**0**	**201**
	Task Subtotal Fee	**$0**	**$2,600**	**$1,750**	**$0**	**$0**	**$6,825**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$16,675**	**$0**	**$0**	**$27,850**
E	**Traffic Calming**																								
	A. Evaluation of options and coordination w/ City		4				4															8			16
	B. Develop final plan sheet details						4															8			12
	Task Subtotal Hours	**0**	**4**	**0**	**0**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**0**	**0**	**28**
	Task Subtotal Fee	**$0**	**$1,040**	**$0**	**$0**	**$0**	**$1,400**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,840**	**$0**	**$0**	**$4,280**
F	**Traffic Control Plans**																								
	60% Plans																								
	A. Overall Phasing Plan		2				4	4														4			14
	B. Traffic Control Narrative						4	8														4			16
	C. Traffic Control Phasing Layouts		2				16	40														24			82
	D. Standard Selection																					2			2
	Task Subtotal Hours	***0***	***4***	***0***	***0***	***0***	***24***	***52***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***34***	***0***	***0***	***114***
	60% Subtotal Fee	***$0***	***$1,040***	***$0***	***$0***	***$0***	***$4,200***	***$6,500***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$3,910***	***$0***	***$0***	***$15,650***

90% Plans																									
A. Overall Phasing Plan						2	4														2			8	
B. Traffic Control Narrative						2	8														4			14	
C. Traffic Control Phasing Layouts						8	16														16			40	
D. Standard Selection																								0	
Task Subtotal Hours	***0***	***0***	***0***	***0***	***0***	***12***	***28***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***22***	***0***	***0***	***62***	
90% Subtotal Fee	***$0***	***$0***	***$0***	***$0***	***$0***	***$2,100***	***$3,500***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$2,530***	***$0***	***$0***	***$8,130***	
100% Plans																									
A. Overall Phasing Plan																								0	
B. Traffic Control Narrative																								0	
C. Traffic Control Phasing Layouts						2	4														8			14	
D. Standard Selection																								0	
Task Subtotal Hours	***0***	***0***	***0***	***0***	***0***	***2***	***4***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***8***	***0***	***0***	***14***	
100% Subtotal Fee	***$0***	***$0***	***$0***	***$0***	***$0***	***$350***	***$500***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$920***	***$0***	***$0***	***$1,770***	
Task Subtotal Hours	**0**	**4**	**0**	**0**	**0**	**38**	**84**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**64**	**0**	**0**	**190**	
Task Subtotal Fee	**$0**	**$1,040**	**$0**	**$0**	**$0**	**$6,650**	**$10,500**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$7,360**	**$0**	**$0**	**$25,550**	
G Illumination																									
30% Plans																									
Perform Google Earth Site Survey and Analysis				1		2																		3	
Utility Power Company Coordination				2		8																		10	
Photometrics Analysis				1		8															2			11	
Overcurrent Protection and Voltage Drop Analysis				1		2																		3	
Electrical Service Load Analysis				1		2															2			5	
Illumination Summary & General Notes				2		2															2			6	
Illumination Removal Layouts				1		4															2			7	
Illumination Layouts				2		12															6			20	
Illumination Details				1		4															2			7	
Illumination Schematic				1		4															2			7	
City and/or TxDOT Standards & Specifications				1		4															2			7	
Cost Estimate				1		2																		3	
QAQC				2		2															1			5	
Review Comment Responses				2		2															1			5	
Attend Revirew Meetings				1		2																		3	
Task Subtotal Hours	***0***	***0***	***0***	***20***	***0***	***60***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***22***	***0***	***0***	***102***	
30% Subtotal Fee	***$0***	***$0***	***$0***	***$5,000***	***$0***	***$10,500***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$2,530***	***$0***	***$0***	***$18,030***	
60% Plans																									
Perform Google Earth Site Survey and Analysis						2																		2	
Utility Power Company Coordination				1		8																		9	
Photometrics Analysis				1		20															6			27	
Overcurrent Protection and Voltage Drop Analysis				2		4																		6	
Electrical Service Load Analysis				2		4															2			8	
Illumination Summary & General Notes				2		4															2			8	
Illumination Removal Layouts				1		8															2			11	
Illumination Layouts				2		30															16			48	
Illumination Details				1		12															2			15	
Illumination Schematic				1		12															4			17	
City and/or TxDOT Standards & Specifications				1		8															2			11	
Cost Estimate				1		2																		3	
QAQC				2		2															1			5	
Review Comment Responses				2		2															1			5	
Attend Review Meetings				1		2																		3	
Task Subtotal Hours	***0***	***0***	***0***	***20***	***0***	***120***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***38***	***0***	***0***	***178***	
60% Subtotal Fee	***$0***	***$0***	***$0***	***$5,000***	***$0***	***$21,000***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$4,370***	***$0***	***$0***	***$30,370***	
90% Plans																									
Utility Power Company Coordination				1		4																		5	
Photometrics Analysis				1		10															2			13	
Overcurrent Protection and Voltage Drop Analysis				2		2																		4	
Electrical Service Load Analysis				2		2															2			6	
Illumination Summary & General Notes				2		2															2			6	
Illumination Removal Layouts				1		2															2			5	
Illumination Layouts				2		20															8			30	
Illumination Details				1		4															2			7	
Illumination Schematic				1		4															2			7	
City and/or TxDOT Standards & Specifications				1		4															2			7	
Cost Estimate				1		2																		3	
QAQC				2		2															1			5	
Review Comment Responses				2		2															1			5	
Attend Review Meetings				1		2																		3	
Task Subtotal Hours	***0***	***0***	***0***	***20***	***0***	***62***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***24***	***0***	***0***	***106***	
90% Subtotal Fee	***$0***	***$0***	***$0***	***$5,000***	***$0***	***$10,850***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$2,760***	***$0***	***$0***	***$18,610***	

	100% Plans																								
	Utility Power Company Coordination																								0
	Photometrics Analysis			1		4																2			7
	Overcurrent Protection and Voltage Drop Analysis			1		1																			2
	Electrical Service Load Analysis			1		1																2			4
	Illumination Summary & General Notes			1		1																2			4
	Illumination Removal Layouts			1		2																2			5
	Illumination Layouts			1		8																2			11
	Illumination Details			1		2																2			5
	Illumination Schematic			1		2																2			5
	City and/or TxDOT Standards & Specifications			1		2																2			5
	Cost Estimate			1		1																			2
	QAQC			1		2																1			4
	Review Comment Responses			1		2																1			4
	Attend Review Meetings			1		2																			3
	Task Subtotal Hours	***0***	***0***	***13***	***0***	***30***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***18***	***0***	***0***	***61***
	100% Subtotal Fee	***$0***	***$0***	***$3,250***	***$0***	***$5,250***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$2,070***	***$0***	***$0***	***$10,570***
																									0
	Task Subtotal Hours	**0**	**0**	**73**	**0**	**272**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**102**	**0**	**0**	**447**
	Task Subtotal Fee	**$0**	**$0**	**$18,250**	**$0**	**$47,600**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$11,730**	**$0**	**$0**	**$77,580**
H	**Erosion Control and SW3P Narrative**																								
	A. SW3P Narrative Sheet					2																			2
	B. Erosion Control Sheets					8	20															40			68
	C. Quantity Summary Sheets					2	8															10			20
	D. Standards Selection																					2			2
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**12**	**28**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**52**	**0**	**0**	**92**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$2,100**	**$3,500**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$5,980**	**$0**	**$0**	**$11,580**
I	**Utility Coordination**																								
	One-Call, Determine and Document Point of Contacts									4															4
	Coordination with Project Team, Utility Status Reports									20															20
	Project Notification Letters, Host Kick-Off Mtg, Minutes								2	4															6
	Host individual Utility Coordination Meetings (max. 15 mtgs)								16	24															40
	Produce Meeting Minutes and Communication Tracking Log								4	12															16
	Coordination of Utility Conflicts, Solutions, relocation Designs						8	6	6	12															32
	Obtain Clearance letters and request Prior Rights documentation						2		2	4															8
	Utility Relocation Permitting coordination			4					8	18															30
	SUE QL-C/D																								0
	QL-D: Records Collection and Mapping, Verification, QC			2			18	2	4	8															34
	Utility Engineering																								0
	Verify Identified Conflicts, Identify additional conflicts			2			8	2																	12
	Develop and maintain detailed Conflict Matrix						22	2																	24
	Calculate conflict clearances, confirm or clear conflicts, QC			4			26	4																	34
	Determine need for QL-B/A SUE						2	2		2															6
	Technical support with utilities and project team to determine conflict Solutions						4	4	4	8															20
	Provide feasible utility relocation alignments						8	2	2	4															16
	Provide review and comments of Utility Relocation Designs (max. 12 reviews)			4			22	2	16	18															62
	Task Subtotal Hours	**0**	**0**	**16**	**0**	**0**	**120**	**26**	**64**	**138**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**364**
	Task Subtotal Fee	**$0**	**$0**	**$4,000**	**$0**	**$0**	**$15,000**	**$6,500**	**$14,080**	**$22,080**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$61,660**
J	**Environmental**																								
	30% Plans																								
	Constraints Analysis													2	32	24						12			78
	Task Subtotal Hours	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***2***	***32***	***24***	***0***	***0***	***0***	***12***	***0***	***0***	***8***	***0***	***78***
	30% Subtotal Fee	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$400***	***$4,800***	***$2,760***	***$0***	***$0***	***$0***	***$1,560***	***$0***	***$0***	***$760***	***$0***	***$10,280***
	60% Plans																								
	Categorical Exclusion WPDs 1 and 2													2	6	24				16					48
	Historic Project Coordination Request														4	6				4			32		46
	Archeological Background Study														4	6				4			32		46
	Threatened and Endangered Species and Habitat/Vegetation analysis														6	24				8					38
	Waters of the U.S. Review														6	12				4					22
	Hazardous materials Initial Site Assessment														12	24				2					38
	Section 4(f) De Minimis Coordination														12	8				8			12		40
	Quality Control													6	4										10
	Task Subtotal Hours	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***8***	***54***	***104***	***0***	***0***	***0***	***46***	***0***	***0***	***76***	***0***	***288***
	60% Subtotal Fee	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$1,600***	***$8,100***	***$11,960***	***$0***	***$0***	***$0***	***$5,980***	***$0***	***$0***	***$7,220***	***$0***	***$34,860***
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**86**	**128**	**0**	**0**	**0**	**58**	**0**	**0**	**84**	**0**	**366**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$2,000**	**$12,900**	**$14,720**	**$0**	**$0**	**$0**	**$7,540**	**$0**	**$0**	**$7,980**	**$0**	**$45,140**
K	**Public Outreach**																								
	Develop materials, messaging and exhibits for property owner meetings (up to 6)																24	48	40	40					152
	Summarize documentation and feedback received during property owner meetings and develop meeting summaries (up to 6).																12	24	24						60
	Provide messaging and graphics support developing powerpoint presentations for stakeholder and board member updates (up to 3)																12	16	12						40
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**48**	**88**	**76**	**40**	**0**	**0**	**0**	**0**	**252**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$6,240**	**$11,000**	**$7,980**	**$5,200**	**$0**	**$0**	**$0**	**$0**	**$30,420**

L	**Right-of-Way Surveying**																									
	A.Right-of-Way Mapping Survey & R.O.E.																									0
	B.Storm Drain (4) and Trail (2) Easement Descriptions Survey																									0
	C.Storm Drain (4) and Trail (2) Topographic and Tree Survey & Utilities																									0
	C.Right-of-Way Supplemental Topographic and Tree Survey & Control Survey																									0
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
M	**Landscape, Streetscape Design, and Urban Design**																									
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
N	**Geotechnical Engineering and Pavement Design**																									
	Manage Subconsultant and Site Visit					8																				8
	Draft Pavement Design Memorandum					22																				22
	Final Pavement Design Memorandum					6																				6
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**36**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**36**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$8,640**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$8,640**
O	**PS&E Preparation**																									
	30% Plans																									
	Plans and Estimate:		1			1		5															5			12
	Contract Time Determination		1			2																				3
	QA/QC Reviews		2	10																						12
	Task Subtotal Hours	***0***	***4***	***10***	***0***	***3***	***0***	***5***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***5***	***0***	***0***	***27***
	30% Subtotal Fee	***$0***	***$1,040***	***$2,500***	***$0***	***$720***	***$0***	***$625***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$575***	***$0***	***$0***	***$5,460***
	60% Plans																									
	Plans and Estimate:		1			1		5															5			12
	Contract Time Determination		1			1																				2
	QA/QC Reviews		2	10																						12
	Task Subtotal Hours	***0***	***4***	***10***	***0***	***2***	***0***	***5***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***5***	***0***	***0***	***26***
	60% Subtotal Fee	***$0***	***$1,040***	***$2,500***	***$0***	***$480***	***$0***	***$625***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$575***	***$0***	***$0***	***$5,220***
	90% Plans																									
	Specifications and General Notes																									0
	Plans and Estimate:		1			1		5															5			12
	Contract Time Determination					1																				1
	QA/QC Reviews		2	10																						12
	Task Subtotal Hours	***0***	***3***	***10***	***0***	***2***	***0***	***5***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***5***	***0***	***0***	***25***
	90% Subtotal Fee	***$0***	***$780***	***$2,500***	***$0***	***$480***	***$0***	***$625***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$575***	***$0***	***$0***	***$4,960***
	100% Plans																									
	Specifications and General Notes							8																		8
	Plans and Estimate:		1			1		5															5			12
	Contract Time Determination					1																				1
	QA/QC Reviews		2	4																						6
	Task Subtotal Hours	***0***	***3***	***4***	***0***	***2***	***0***	***13***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***5***	***0***	***0***	***27***
	100% Subtotal Fee	***$0***	***$780***	***$1,000***	***$0***	***$480***	***$0***	***$1,625***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$575***	***$0***	***$0***	***$4,460***
	Task Subtotal Hours	**0**	**14**	**34**	**0**	**9**	**0**	**28**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**0**	**0**	**105**
	Task Subtotal Fee	**$0**	**$3,640**	**$8,500**	**$0**	**$2,160**	**$0**	**$3,500**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$2,300**	**$0**	**$0**	**$20,100**
P	**Bid Phase Services**																									
	Prepare Bid Manual		4				16																		8	28
	Prepare for and attend Pre Bid Meeting		2				2																			4
	Prepare and Distribute Addendum		2				2																6			10
	Prepare Bid Tab and Letter of Recommendation		2				6																		2	10
	Task Subtotal Hours	**0**	**10**	**0**	**0**	**0**	**26**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**0**	**10**	**52**
	Task Subtotal Fee	**$0**	**$2,600**	**$0**	**$0**	**$0**	**$4,550**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$690**	**$0**	**$950**	**$8,790**
Q	**Construction Phase Services**																									
	Pre-Construction Meeting		2				2																	1		5
	Review of Contractor Submittals		2				20																	1		23
	Construction Site Visits		4				16																	2		22
	Requests for Information		2				10																			12
	Final Walk-Through / Punch List		4				4																			8
	As-Built Plans		2				8																24			34
	Project Management		6																						6	12
	Task Subtotal Hours	**0**	**22**	**0**	**0**	**0**	**60**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**24**	**4**	**6**	**116**
	Task Subtotal Fee	**$0**	**$5,720**	**$0**	**$0**	**$0**	**$10,500**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$2,760**	**$380**	**$570**	**$19,930**
R	**Expenses**																									
	Printing																									$2,000
	Mileage																									$1,000
	TDLR Accessibility Review - Altura																									$2,175
	Task Subtotal Fee																									**$5,175**
	TOTAL HOURS	**0**	**148**	**85**	**73**	**65**	**569**	**395**	**26**	**64**	**138**	**0**	**0**	**0**	**10**	**86**	**128**	**48**	**88**	**76**	**98**	**0**	**731**	**88**	**32**	**2948**
	TOTAL FEE	**$0**	**$38,480**	**$21,250**	**$18,250**	**$15,600**	**$99,575**	**$49,375**	**$6,500**	**$14,080**	**$22,080**	**$0**	**$0**	**$0**	**$2,000**	**$12,900**	**$14,720**	**$6,240**	**$11,000**	**$7,980**	**$12,740**	**$0**	**$84,065**	**$8,360**	**$3,040**	**$453,410**

Doucet & Associates

		Principal	Sr. PM	Senior Project Engineer	Project Engineer II	Engineer Associate II	Senior Civil Technician	Civil Technician	Survey Project Manager (RPLS)	Senior Survey Technician	GIS Specialist	Two-Person Field Crew	Three-Person Field Crew	Party Chief-Time Basis	Administrative Assistant	LiDAR Scanner	TOTAL
	2022 TIRZ RATES - DRAFT w 2023 Escalation	**$273**	**$247**	**$201**	**$170**	**$139**	**$155**	**$134**	**$227**	**$139**	**$139**	**$165**	**$216**	**$118**	**$108**	**$108**	
A	**Project Management**																
	A. Coordination with City		12		8												20
	B. Invoicing and Schedule Updates		12												24		36
	C. Subconsultant Coordination, Deliverables Review and Invoices																0
	D.Quality Assurance / Quality Control																0
	Task Subtotal Hours	**0**	**24**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**24**	**0**	**56**
	Task Subtotal Fee	**$0**	**$5,933**	**$0**	**$1,360**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$2,596**	**$0**	**$9,888**
B	**Roadway Design**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
C	**Drainage Design**																
	30% Plans																
	Data Collection and field work		4	2	8												14
	Hydrologic and Hydraulic design		1	1	4												6
	Storm Drain analyses and design, including outfall		4	1	16												21
	Storm Drain Hydrologic and Hydraulic Tables		1	1	4												6
	Storm Water Detention Analysis and Design		4	1	12												17
	Water Quality and Rain garden/bioretention design		8	2	20												30
	Plan Sheets for Drainage Design	2	4	1	20		20	20									67
	Stormwater Report		2	2	8												12
	Task Subtotal Hours	**2**	**28**	**11**	**92**	**0**	**20**	**20**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	***173***
	30% Subtotal Fee	***$546***	***$6,922***	***$2,209***	***$15,635***	***$0***	***$3,090***	***$2,678***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$31,080***
	60% Plans																
	Hydrologic and Hydraulic design		1	1	2												4
	Storm Drain analyses and design, including outfall		1	1	8												10
	Storm Drain Hydrologic and Hydraulic Tables		1	1	2												4
	Storm Water Detention Analysis and Design		2	2	8												12
	Water Quality and Rain garden/bioretention design		8	2	8												18
	Plan Sheets for Drainage Design	2	8	2	24		20	40									96
	Stormwater Report		1	2	4												7
	Task Subtotal Hours	**2**	**22**	**11**	**56**	**0**	**20**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	***151***
	60% Subtotal Fee	***$546***	***$5,438***	***$2,209***	***$9,517***	***$0***	***$3,090***	***$5,356***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$26,157***
	90% Plans																
	Hydrologic and Hydraulic design		1	1	4												6
	Storm Drain analyses and design, including outfall		1	1	12												14
	Storm Drain Hydrologic and Hydraulic Tables		1	1	2												4
	Storm Water Detention Analysis and Design		2	1	12												15
	Water Quality and Rain garden/bioretention design		4	1	12												17
	Plan Sheets for Drainage Design		4	1	12		20	40									77
	Stormwater Report	2	1	1	4												8
	Task Subtotal Hours	**2**	**14**	**7**	**58**	**0**	**20**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	***141***
	90% Subtotal Fee	***$546***	***$3,461***	***$1,406***	***$9,857***	***$0***	***$3,090***	***$5,356***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$23,716***
	100% Plans, Permitting, Bid Support, Specifications																
	Hydrologic and Hydraulic design		0	1	1												2
	Storm Drain analyses and design, including outfall		0	1	4												5
	Storm Drain Hydrologic and Hydraulic Tables		0	1	1												2
	Storm Water Detention Analysis and Design		1	1	8												10
	Water Quality and Rain garden/bioretention design		2	1	8												11
	Plan Sheets for Drainage Design	1	2	1	8		16	24									52
	Stormwater Report		1	1	4												6
	City of Dripping Springs Permitting/Coordination		8		16		16	16									56
	Task Subtotal Hours	**1**	**14**	**7**	**50**	**0**	**32**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	***144***
	100% Subtotal Fee	***$273***	***$3,461***	***$1,406***	***$8,498***	***$0***	***$4,944***	***$5,356***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$23,937***
	Task Subtotal Hours	**7**	**78**	**36**	**256**	**0**	**92**	**140**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**609**
	Task Subtotal Fee	**$1,911**	**$19,282**	**$7,231**	**$43,507**	**$0**	**$14,214**	**$18,746**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$104,890**

D	**Signing and Pavement Marking**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
E	**Traffic Calming**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
F	**Traffic Control Plans**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
G	**Illumination**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
H	**Erosion Control and SW3P Narrative**																
	A. SW3P Narrative Sheet		**4**														4
	B. Erosion Control Sheets																0
	C. Quantity Summary Sheets																0
	D. Standards Selection		2														2
	Task Subtotal Hours	**0**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**
	Task Subtotal Fee	**$0**	**$1,483**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,483**
I	**Utility Coordination**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
J	**Environmental**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
K	**Public Outreach**																
	Develop materials, messaging and exhibits for property owner meetings (up to 6)		12		6			8									26
	Summarize documentation and feedback received during property owner meetings and develop meeting summaries (up to 6).		6		6												12
	Provide messaging and graphics support developing powerpoint presentations for stakeholder and board member updates (up to 3)		6		2										8		16
	Task Subtotal Hours	**0**	**24**	**0**	**14**	**0**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**0**	**54**
	Task Subtotal Fee	**$0**	**$5,933**	**$0**	**$2,379**	**$0**	**$0**	**$1,071**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$865**	**$0**	**$10,249**
L	**Right-of-Way Surveying**																
	A.Right-of-Way Mapping Survey & R.O.E.								6	20	1	10			1.5		38.5
	B.Storm Drain (4) and Trail (2) Easement Descriptions Survey								4	21	0.5	4			1		30.5
	C.Right-of-Way Supplemental Topographic and Tree Survey & Control Survey								2	24	0.5	31			0.5		58
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**65**	**2**	**45**	**0**	**0**	**3**	**0**	**127**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$2,719**	**$9,038**	**$278**	**$7,416**	**$0**	**$0**	**$324**	**$0**	**$19,776**
M	**Landscape, Streetscape Design, and Urban Design**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
N	**Geotechnical Engineering and Pavement Design**																
	Soil boring definition and geotech review for water quality basins		2		4												6
																	0
																	0
	Task Subtotal Hours	**0**	**2**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**
	Task Subtotal Fee	**$0**	**$494**	**$0**	**$680**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,174**

P	**Bid Phase Services**																
	Prepare Bid Manual		1		2												3
	Prepare for and attend Pre Bid Meeting		2		2												4
	Prepare and Distribute Addendum		1		2												3
	Prepare Bid Tab and Letter of Recommendation																0
	Task Subtotal Hours	**0**	**4**	**0**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**
	Task Subtotal Fee	**$0**	**$989**	**$0**	**$1,020**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$2,009**
Q	**Construction Phase Services**																
	Pre-Construction Meeting		2		2												4
	Review of Contractor Submittals		1		4												5
	Construction Site Visits		2		8												10
	Requests for Information		1		2												3
	Final Walk-Through / Punch List		2		2												4
	As-Built Plans		1		4			8									13
	Project Management		2		4										4		10
	Task Subtotal Hours	**0**	**11**	**0**	**26**	**0**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**0**	**49**
	Task Subtotal Fee	**$0**	**$2,719**	**$0**	**$4,419**	**$0**	**$0**	**$1,071**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$433**	**$0**	**$8,642**
R	**Expenses**																
	Printing																$800
	Mileage																$200
	Task Subtotal Fee																**$1,000**
	TOTAL HOURS	**7**	**149**	**36**	**314**	**0**	**92**	**156**	**12**	**65**	**2**	**45**	**0**	**0**	**39**	**0**	**917**
	TOTAL FEE	**$1,911**	**$36,833**	**$7,231**	**$53,364**	**$0**	**$14,214**	**$20,888**	**$2,719**	**$9,038**	**$278**	**$7,416**	**$0**	**$0**	**$4,218**	**$0**	**$159,110**

MCCANN ADAMS STUDIO

		PRINCIPAL	PROJ MGR	CAD	TOTAL
	2022 TIRZ RATES - DRAFT	**$200**	**$100**	**$80**	
A	**Project Management**				
	A. Coordination with City	30	15		45
	B. Invoicing and Schedule Updates				0
	C. Subconsultant Coordination, Deliverables Review and Invoices				0
	D.Quality Assurance / Quality Control				0
	Task Subtotal Hours	**30**	**15**	**0**	**45**
	Task Subtotal Fee	**$6,000**	**$1,500**	**$0**	**$7,500**
B	**Roadway Design**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
C	**Drainage Design**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
D	**Signing and Pavement Marking**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
E	**Traffic Calming**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
F	**Traffic Control Plans**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
G	**Illumination**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
J	**Environmental**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
K	**Public Outreach**				
	Develop materials, messaging and exhibits for property owner meetings (up to 6)	8	16	16	40
	Summarize documentation and feedback received during property owner meetings and develop meeting summaries (up to 6).				0
	Provide messaging and graphics support developing powerpoint presentations for stakeholder and board member updates (up to 3)				0
	Task Subtotal Hours	**8**	**16**	**16**	**40**
	Task Subtotal Fee	**$1,600**	**$1,600**	**$1,280**	**$4,480**

L	**Right-of-Way Surveying**					
		Task Subtotal Hours	**0**	**0**	**0**	**0**
		Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
M	**Landscape, Streetscape Design, and Urban Design**					
	30% Plans		40	40	80	160
		Task Subtotal Hours	***40***	***40***	***80***	***160***
		30% Subtotal Fee	***$8,000***	***$4,000***	***$6,400***	***$18,400***
	60% Plans		40	60	80	180
		Task Subtotal Hours	***40***	***60***	***80***	***180***
		60% Subtotal Fee	***$8,000***	***$6,000***	***$6,400***	***$20,400***
	90% Plans		20	60	80	160
		Task Subtotal Hours	***20***	***60***	***80***	***160***
		90% Subtotal Fee	***$4,000***	***$6,000***	***$6,400***	***$16,400***
	100% Plans		10	40	50	100
		Task Subtotal Hours	***10***	***40***	***50***	***100***
		100% Subtotal Fee	***$2,000***	***$4,000***	***$4,000***	***$10,000***
		Task Subtotal Hours	**110**	**200**	**290**	**600**
		Task Subtotal Fee	**$22,000**	**$20,000**	**$23,200**	**$65,200**
N	**Geotechnical Engineering and Pavement Design**					
		Task Subtotal Hours	**0**	**0**	**0**	**0**
		Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
O	**PS&E Preparation**					
		Task Subtotal Hours	**0**	**0**	**0**	**0**
		Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
P	**Bid Phase Services**					
	Prepare Bid Manual		1	3		4
	Prepare for and attend Pre Bid Meeting					0
	Prepare and Distribute Addendum		1	3		4
	Prepare Bid Tab and Letter of Recommendation					0
		Task Subtotal Hours	**2**	**6**	**0**	**8**
		Task Subtotal Fee	**$400**	**$600**	**$0**	**$1,000**
Q	**Construction Phase Services**					
	Pre-Construction Meeting		1	3		4
	Review of Contractor Submittals		1	3		4
	Construction Site Visits		1	3		4
	Requests for Information		1	3		4
	Final Walk-Through / Punch List		1	3		4
	As-Built Plans		1	3		4
	Project Management					0
		Task Subtotal Hours	**6**	**18**	**0**	**24**
		Task Subtotal Fee	**$1,200**	**$1,800**	**$0**	**$3,000**
R	**Expenses**					**$1,000**
	Printing					
	Mileage					
		Task Subtotal Fee				**$1,000**
		TOTAL HOURS	**156**	**255**	**306**	**717**
		TOTAL FEE	**$31,200**	**$25,500**	**$24,480**	**$82,180**

HVJ Associates

Ms. Ms. Leslie, Pollack, P.E., PTOE
AG21 10392
November 24, 2021 *(Revised December 21 and December 22, 2021)*

Geotechnical Investigation					
Old Fitzhugh Road (Revised Decemeber 22, 2021)					
HDR					
HVJ Proposal No. AG 19 10392					
TABLE I					
GEOTECHNICAL INVESTIGATION BREAKDOWN					
Field Investigation					
1.1 Rig Mobilization (maximum of one per project assignment)	1	@	$600.00	Per ea	$600.00
1.3.1 Soil Drilling 0' to 25' depth (includes back-filling)	70	@	$25.00	Per ft	$1,750.00
1.3.5 Shelby Tube (Thin Wall/3") (ASTM D 1587)	35	@	$30.90	Per ea	$1,081.50
Backfilling- Bentonite	70	@	$8.00	Per ea	$560.00
1.8 Support Truck	3	@	$150.00	Per day	$450.00
				Sub Total	**$4,441.50**
Laboratory Testing - Standard					
2.1 Moisture Content	10	@	$25.00	Per ea	$250.00
2.3 Atterberg Limits (Liquid and Plastic Limits) (ASTM D4318), each	10	@	$85.00	Per ea	$850.00
2.5 Percent Passing No. 200 Sieve (ASTM D 422; Tex-110-E)	10	@	$60.00	Per ea	$600.00
2.10 Moisture Density Relationship	1	@	$280.00	Per ea	$280.00
2.40 CBR of Laboratory-Compacted Soils (ASTM D 1883)(includes 3 points)	1	@	$500.00	Per ea	$500.00
3.1.2 Soluble Sulfate (Tex-145-E)	3	@	$65.00	Per ea	$195.00
				Sub Total	**$2,675.00**
Infiltration Testing					
Staff Engineer	16	@	$105.00	/hr	$1,680.00
Engineering Technician	10	@	$75.00	/hr	$750.00
Equipment Rental	1	@	$200.00	per day	$200.00
				Sub Total	**$2,630.00**
Geotechnical Field Work and Investigation Report					
Principal - Muhammad Mustafa	1	@	$275.00	/hr	$275.00
Geotechnical Engineering Manager - Jason Schwarz	4	@	$235.00	/hr	$940.00
Project Engineer	9	@	$150.00	/hr	$1,350.00
Staff Engineer	28	@	$105.00	/hr	$2,940.00
Engineering Technician	6	@	$60.00	/hr	$360.00
				Sub-Total	**$5,865.00**
				Grand Total	**$15,611.50**

Exhibit C-1

OLD FITZHUGH ROAD PSE

Old Fitzhugh Road PS&E - Additional Services 1

	Summary		HDR	Doucet	MAS	HVJ	TOTAL
A	**Project Management**						
		Hours	44	34	20	0	**98**
		Fee	$9,400	$6,829	$3,480	$0	**$19,709**
B	**Roadway Design**						
		Hours	84	0	0	0	**84**
		Fee	$11,280	$0	$0	$0	**$11,280**
C	**Drainage Design**						
		Hours	0	262	0	0	**262**
		Fee	$0	$42,858	$0	$0	**$42,858**
D	**Signing and Pavement Marking**						
		Hours	0	0	0	0	**0**
		Fee	$0	$0	$0	$0	**$0**
E	**Traffic Calming**						
		Hours	0	0	0	0	**0**
		Fee	$0	$0	$0	$0	**$0**
F	**Traffic Control Plans**						
		Hours	26	0	0	0	**26**
		Fee	$3,130	$0	$0	$0	**$3,130**
G	**Illumination**						
		Hours	454	0	0	0	**454**
		Fee	$76,480	$0	$0	$0	**$76,480**
H	**Erosion Control and SW3P Narrative**						
		Hours	0	0	0	0	**0**
		Fee	$0	$0	$0	$0	**$0**
I	**Utility Coordination**						
		Hours	0	0	0	0	**0**
		Fee	$0	$0	$0	$0	**$0**
J	**Environmental**						
		Hours	0	0	0	0	**0**
		Fee	$0	$0	$0	$0	**$0**
K	**Public Outreach**						
		Hours	0	8	0	0	**8**
		Fee	$0	$865	$0	$0	**$865**
L	**Right-of-Way Surveying**						
		Hours	0	74	0	0	**74**
		Fee	$0	$12,515	$0	$0	**$12,515**
M	**Landscape, Streetscape Design, and Urban Design**						
		Hours	0	0	42	0	**42**
		Fee	$0	$0	$5,160	$0	**$5,160**
N	**Geotechnical Engineering and Pavement Design**						
		Hours	0	0	0	0	**0**
		Fee	$0	$0	$0	$0	**$0**
O	**PS&E Preparation**						
		Hours	0	0	0	0	**0**
		Fee	$0	$0	$0	$0	**$0**
P	**Bid Phase Services**						
		Hours	0	0	32	0	**32**
		Fee	$0	$0	$3,960	$0	**$3,960**
Q	**Construction Phase Services**						
		Hours	0	0	45	0	**45**
		Fee	$0	$0	$7,390	$0	**$7,390**
R	**Expenses**						
		Fee	$0	$0	$4,800	$0	**$4,800**
		TOTAL HOURS	**608**	**378**	**62**	**0**	**1048**
		TOTAL FEE	**$100,290**	**$63,067**	**$24,790**	**$0**	**$188,147**

Old Fitzhugh Road PS&E - Additional Services 1

	Summary by Phase	HDR	Doucet	MAS	HVJ	TOTAL
	30 Percent Design Plans					
A	**Project Management**	0 $0	0 $0	0 $0	0 $0	0 $0
B	**Roadway Design**	0 $0	0 $0	0 $0	0 $0	0 $0
C	**Drainage Design**	0 $0	56 $9,322	0 $0	0 $0	56 $9,322
D	**Signing and Pavement Marking**	0 $0	0 $0	0 $0	0 $0	0 $0
E	**Traffic Calming**					
F	**Traffic Control Plans**					
G	**Illumination**	0 $0	0 $0	0 $0	0 $0	0 $0
H	**Erosion Control and SW3P Narrative**					
I	**Utility Coordination**	0 $0	0 $0	0 $0	0 $0	0 $0
J	**Environmental**	0 $0	0 $0	0 $0	0 $0	0 $0
K	**Public Outreach**					
L	**Right-of-Way Surveying**	0 $0	74 $12,515	0 $0	0 $0	74 $12,515
M	**Landscape, Streetscape Design, and Urban Design**	0 $0	0 $0	0 $0	0 $0	0 $0
N	**Geotechnical Engineering and Pavement Design**					
O	**PS&E Preparation**	0 $0	0 $0	0 $0	0 $0	0 $0
P	**Bid Phase Services**					
Q	**Construction Phase Services**					
R	**Expenses**	$0	$0	$0	$0	$0
	Total Hours	**0**	**130**	**0**	**0**	**130**
	Total Fee	**$0**	**$21,836**	**$0**	**$0**	**$21,836**

	60 Percent Design Plans					
A	**Project Management**	0 $0	17 $3,414	0 $0	0 $0	29.4 $5,913
B	**Roadway Design**	0 $0	0 $0	0 $0	0 $0	0 $0
C	**Drainage Design**	0 $0	124 $20,765	0 $0	0 $0	124 $20,765
D	**Signing and Pavement Marking**	0 $0	0 $0	0 $0	0 $0	0 $0
E	**Traffic Calming**	0 $0	0 $0	0 $0	0 $0	0 $0
F	**Traffic Control Plans**	0 $0	0 $0	0 $0	0 $0	0 $0
G	**Illumination**	211 $34,810	0 $0	0 $0	0 $0	211 $34,810
H	**Erosion Control and SW3P Narrative**	0 $0	0 $0	0 $0	0 $0	0 $0
I	**Utility Coordination**	0 $0	0 $0	0 $0	0 $0	0 $0
J	**Environmental**	0 $0	0 $0	0 $0	0 $0	0 $0
K	**Public Outreach**	0 $0	8 $865	0 $0	0 $0	8 $865
L	**Right-of-Way Surveying**					
M	**Landscape, Streetscape Design, and Urban Design**	0 $0	0 $0	0 $0	0 $0	0 $0
N	**Geotechnical Engineering and Pavement Design**	0 $0	0 $0	0 $0	0 $0	0 $0
O	**PS&E Preparation**	0 $0	0 $0	0 $0	0 $0	0 $0
P	**Bid Phase Services**					
Q	**Construction Phase Services**					
R	**Expenses**	$0	$0	$0	$0	$0
	Total Hours	**211**	**149**	**0**	**0**	**360**
	Total Fee	**$34,810**	**$25,044**	**$0**	**$0**	**$59,854**

Document No. HDR02202024

	90 Percent Design Plans					
A	**Project Management**	26.4 $5,640	17 $3,414	12 $2,088	0 $0	29.4 $5,913
B	**Roadway Design**	64 $8,650	0 $0	0 $0	0 $0	64 $8,650
C	**Drainage Design**	0 $0	82 $12,772	0 $0	0 $0	82 $12,772
D	**Signing and Pavement Marking**	0 $0	0 $0	0 $0	0 $0	0 $0
E	**Traffic Calming**					
F	**Traffic Control Plans**	17 $2,045	0 $0	0 $0	0 $0	17 $2,045
G	**Illumination**	164 $28,250	0 $0	0 $0	0 $0	164 $28,250
H	**Erosion Control and SW3P Narrative**					
I	**Utility Coordination**					
J	**Environmental**					
K	**Public Outreach**					
L	**Right-of-Way Surveying**					
M	**Landscape, Streetscape Design, and Urban Design**	0 $0	0 $0	42 $5,160	0 $0	42 $5,160
N	**Geotechnical Engineering and Pavement Design**					
O	**PS&E Preparation**	0 $0	0 $0	0 $0	0 $0	0 $0
P	**Bid Phase Services**					
Q	**Construction Phase Services**					
R	**Expenses**	$0	$0	$4,800	$0	$4,800
	Total Hours	**271**	**99**	**54**	**0**	**424**
	Total Fee	**$44,585**	**$16,186**	**$12,048**	**$0**	**$72,819**

	100 Percent Design Plans					
A	**Project Management**	18 $3,760	0 $0	8 $1,392	0 $0	10 $1,971
B	**Roadway Design**	20 $2,630	0 $0	0 $0	0 $0	20 $2,630
C	**Drainage Design**	0 $0	0 $0	0 $0	0 $0	0 $0
D	**Signing and Pavement Marking**	0 $0	0 $0	0 $0	0 $0	0 $0
E	**Traffic Calming**					
F	**Traffic Control Plans**	9 $1,085	0 $0	0 $0	0 $0	9 $1,085
G	**Illumination**	79 $13,420	0 $0	0 $0	0 $0	79 $13,420
H	**Erosion Control and SW3P Narrative**					
I	**Utility Coordination**					
J	**Environmental**					
K	**Public Outreach**					
L	**Right-of-Way Surveying**					
M	**Landscape, Streetscape Design, and Urban Design**	0 $0	0 $0	0 $0	0 $0	0 $0
N	**Geotechnical Engineering and Pavement Design**					
O	**PS&E Preparation**	0 $0	0 $0	0 $0	0 $0	0 $0
P	**Bid Phase Services**					
Q	**Construction Phase Services**					
R	**Expenses**	$0	$0	$0	$0	$0
	Total Hours	**126**	**0**	**8**	**0**	**134**
	Total Fee	**$20,895**	**$0**	**$1,392**	**$0**	**$22,287**
	Bid and Construction Phase					
P	**Bid Phase Services**	0 $0	0 $0	32 $3,960	0 $0	32 $3,960
Q	**Construction Phase Services**	0 $0	0 $0	45 $7,390	0 $0	45 $7,390
R	**Expenses**	$0	$0	$0	$0	$0
	Total Hours	**0**	**0**	**77**	**0**	**77**
	Total Fee	**$0**	**$0**	**$11,350**	**$0**	**$11,350**
	Grand Total Hours	**608**	**378**	**139**	**0**	**1,125**
	Grand Total Fee	**$100,290**	**$63,067**	**$24,790**	**$0**	**$188,147**

Old Fitzhugh Road PS&E - Additional Services 1

	Detailled Summary		HDR	Doucet	MAS	HVJ	TOTAL
A	**Project Management**						
		Hours	**44**	**34**	**20**	**0**	**98**
		Fee	**$9,400**	**$6,829**	**$3,480**	**$0**	**$19,709**
B	**Roadway Design**						
		90% Hours	64	0	0	0	64
		90% Fee	$8,650	$0	$0	$0	$8,650
		100% Hours	20	0	0	0	20
		100% Fee	$2,630	$0	$0	$0	$2,630
		Total Hours	**84**	**0**	**0**	**0**	**84**
		Total Fee	**$11,280**	**$0**	**$0**	**$0**	**$11,280**
C	**Drainage Design**						
		30% Hours	0	56	0	0	56
		30% Fee	$0	$9,322	$0	$0	$9,322
		60% Hours	0	124	0	0	124
		60% Fee	$0	$20,765	$0	$0	$20,765
		90% Hours	0	82	0	0	82
		90% Fee	$0	$12,772	$0	$0	$12,772
		100% Hours	0	0	0	0	0
		100% Fee	$0	$0	$0	$0	$0
		Total Hours	**0**	**262**	**0**	**0**	**262**
		Total Fee	**$0**	**$42,858**	**$0**	**$0**	**$42,858**
D	**Signing and Pavement Marking**						
		Total Hours	**0**	**0**	**0**	**0**	**0**
		Total Fee	**$0**	**$0**	**$0**	**$0**	**$0**
E	**Traffic Calming**						
		Hours	**0**	**0**	**0**	**0**	**0**
		Fee	**$0**	**$0**	**$0**	**$0**	**$0**
F	**Traffic Control Plans**						
		90% Hours	17	0	0	0	17
		90% Fee	$2,045	$0	$0	$0	$2,045
		100% Hours	9	0	0	0	9
		100% Fee	$1,085	$0	$0	$0	$1,085
		Hours	**26**	**0**	**0**	**0**	**26**
		Fee	**$3,130**	**$0**	**$0**	**$0**	**$3,130**
G	**Illumination**						
		60% Hours	211	0	0	0	211
		60% Fee	$34,810	$0	$0	$0	$34,810
		90% Hours	164	0	0	0	164
		90% Fee	$28,250	$0	$0	$0	$28,250
		100% Hours	79	0	0	0	79
		100% Fee	$13,420	$0	$0	$0	$13,420
		Total Hours	**454**	**0**	**0**	**0**	**454**
		Total Fee	**$76,480**	**$0**	**$0**	**$0**	**$76,480**
H	**Erosion Control and SW3P Narrative**						
		Hours	**0**	**0**	**0**	**0**	**0**
		Fee	**$0**	**$0**	**$0**	**$0**	**$0**
I	**Utility Coordination**						
		Hours	**0**	**0**	**0**	**0**	**0**
		Fee	**$0**	**$0**	**$0**	**$0**	**$0**
J	**Environmental**						
		Hours	**0**	**0**	**0**	**0**	**0**
		Fee	**$0**	**$0**	**$0**	**$0**	**$0**
K	**Public Outreach**						
		Hours	**0**	**8**	**0**	**0**	**8**
		Fee	**$0**	**$865**	**$0**	**$0**	**$865**

L	**Right-of-Way Surveying**						
		Hours	**0**	**74**	**0**	**0**	**74**
		Fee	**$0**	**$12,515**	**$0**	**$0**	**$12,515**
M	**Landscape, Streetscape Design, and Urban Design**						
		90% Hours	0	0	42	0	42
		90% Fee	$0	$0	$5,160	$0	$5,160
		100% Hours	0	0	0	0	0
		100% Fee	$0	$0	$0	$0	$0
		Total Hours	**0**	**0**	**42**	**0**	**42**
		Total Fee	**$0**	**$0**	**$5,160**	**$0**	**$5,160**
N	**Geotechnical Engineering and Pavement Design**						
		Hours	**0**	**0**	**0**	**0**	**0**
		Fee	**$0**	**$0**	**$0**	**$0**	**$0**
O	**PS&E Preparation**						
		Total Hours	**0**	**0**	**0**	**0**	**0**
		Total Fee	**$0**	**$0**	**$0**	**$0**	**$0**
P	**Bid Phase Services**						
		Total Hours	**0**	**0**	**32**	**0**	**32**
		Total Fee	**$0**	**$0**	**$3,960**	**$0**	**$3,960**
Q	**Construction Phase Services**						
		Total Hours	**0**	**0**	**45**	**0**	**45**
		Total Fee	**$0**	**$0**	**$7,390**	**$0**	**$7,390**
R	**Expenses**						
		Fee	**$0**	**$0**	**$4,800**	**$0**	**$4,800**
		TOTAL HOURS	**608**	**378**	**139**	**0**	**1,125**
		TOTAL FEE	**$100,290**	**$63,067**	**$24,790**	**$0**	**$188,147**

HDR Engineering, Inc.

		Proj Principal	Proj Manager	QC Manager	Sr. Light Engr	Sr. Engr	Proj Engr	EIT	Se. Utility Engr	Sr. Utility Coordinator	Utility Coordinator	Sr. Real Estate Lead	Sr. Real Estate Spec	Real Estate Spec	Sr. Env Lead	Sr. Env. Scientist	Env Scientist	Public Involvement Manager	Public Involvement Coordinator	Graphic Designer I	GIS Analyst	Sr. CADD Tech	CADD Tech	Arch/Historian	Admin Asst	TOTAL
2022 TIRZ RATES w 2023 Escalation		**$310**	**$260**	**$250**	**$250**	**$240**	**$175**	**$125**	**$250**	**$220**	**$160**	**$300**	**$150**	**$120**	**$200**	**$150**	**$115**	**$130**	**$125**	**$105**	**$130**	**$150**	**$115**	**$95**	**$95**	
A	**Project Management**																									
	A. Coordination with City		12																							12
	B. Invoicing and Schedule Updates																								8	8
	C. Subconsultant Coordination, Deliverables Review and Invoices		8																						4	12
	D.Quality Assurance / Quality Control		6	6																						12
	Task Subtotal Hours	**0**	**26**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**44**
	Task Subtotal Fee	**$0**	**$6,760**	**$1,500**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,140**	**$9,400**
B	**Roadway Design**																									
	90% Plans																									
	A. Title Sheet and Index of Sheets																									0
	B.Typical Sections																									0
	C.Project Layout																						2			2
	D.Horizontal Alignment Data Sheets:						8																2			10
	E.Roadway Plan & Profile					2	2	8															8			20
	F.Intersection Layouts - Cross Streets						2	4															4			10
	G.Driveway Plan & Profiles																									0
	H.Removal Layouts							4															4			8
	I.Pedestrian and Bicycle Facilities						2	4															8			14
	J.Roadway Cross Sections																									0
	K.Miscellaneous Detail Sheets																									0
	L.Quantity Summary Sheets																									0
	M.Standards Selection																									0
	N. 90% Final PSE Submittal QC and Prepare																									0
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**2**	**14**	**20**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**28**	**0**	**0**	**64**
	90% Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$480**	**$2,450**	**$2,500**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$3,220**	**$0**	**$0**	**$8,650**
	100% Plans																									
	A. Title Sheet and Index of Sheets																									0
	B.Typical Sections																									0
	C.Project Layout																									0
	D.Horizontal Alignment Data Sheets:																									0
	E.Roadway Plan & Profile					2		4																		6
	F.Intersection Layouts - Cross Streets							4															2			6
	G.Driveway Plan & Profiles																									0
	H.Removal Layouts																									0
	I.Pedestrian and Bicycle Facilities																						4			4
	J.Roadway Cross Sections																						4			4
	K.Miscellaneous Detail Sheets																									0
	L.Quantity Summary Sheets																									0
	M.Standards Selection																									0
	N. Final PSE Submittal QC and Prepare																									0
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**2**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**0**	**0**	**20**
	100% Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$480**	**$0**	**$1,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,150**	**$0**	**$0**	**$2,630**
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**4**	**14**	**28**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**38**	**0**	**0**	**84**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$960**	**$2,450**	**$3,500**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**0**	**$0**	**$4,370**	**$0**	**$0**	**$11,280**
C	**Drainage Design**																									
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
D	**Signing and Pavement Marking**																									
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
E	**Traffic Calming**																									
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

F	**Traffic Control Plans**																								
	90% Plans																								
	A. Overall Phasing Plan																								0
	B. Traffic Control Narrative							1																	1
	C. Traffic Control Phasing Layouts							8														8			16
	D. Standard Selection																								0
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**0**	**0**	**17**
	90% Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,125**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$920**	**$0**	**$0**	**$2,045**
	100% Plans																								
	A. Overall Phasing Plan																								0
	B. Traffic Control Narrative							1																	1
	C. Traffic Control Phasing Layouts							4														4			8
	D. Standard Selection																								0
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**0**	**0**	**9**
	100% Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$625**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$460**	**$0**	**$0**	**$1,085**
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**26**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,750**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,380**	**$0**	**$0**	**$3,130**
G	**Illumination**																								
	60% Plans																								
	Perform Google Earth Site Survey and Analysis						4																		4
	Utility Power Company Coordination						8																		8
	Photometrics Analysis				2		24															12			38
	Overcurrent Protection and Voltage Drop Analysis				2		8																		10
	Electrical Service Load Analysis				2		8															4			14
	Illumination Summary & General Notes				2		8															4			14
	Illumination Removal Layouts				2		12															8			22
	Illumination Layouts				4		24															12			40
	Illumination Details				2		8															8			18
	Illumination Schematic				2		8															8			18
	City and/or TxDOT Standards & Specifications				2		8															6			16
	Cost Estimate				1		2																		3
	QAQC				2		2															1			5
	Review Comment Responses																					1			1
	Attend Review Meetings																								0
	Task Subtotal Hours	**0**	**0**	**0**	**23**	**0**	**124**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**64**	**0**	**0**	**211**
	60% Subtotal Fee	**$0**	**$0**	**$0**	**$5,750**	**$0**	**$21,700**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$7,360**	**$0**	**$0**	**$34,810**
	90% Plans																								
	Utility Power Company Coordination				2		4																		6
	Photometrics Analysis				2		16															8			26
	Overcurrent Protection and Voltage Drop Analysis				2		6																		8
	Electrical Service Load Analysis				2		6															3			11
	Illumination Summary & General Notes				2		4															3			9
	Illumination Removal Layouts				2		8															2			12
	Illumination Layouts				2		24															12			38
	Illumination Details				2		8															4			14
	Illumination Schematic				2		8															4			14
	City and/or TxDOT Standards & Specifications				2		6															2			10
	Cost Estimate				1		2																		3
	QAQC				2		2															1			5
	Review Comment Responses				2		2															1			5
	Attend Review Meetings				1		2																		3
	Task Subtotal Hours	**0**	**0**	**0**	**26**	**0**	**98**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**40**	**0**	**0**	**164**
	90% Subtotal Fee	**$0**	**$0**	**$0**	**$6,500**	**$0**	**$17,150**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$4,600**	**$0**	**$0**	**$28,250**
	100% Plans																								
	Utility Power Company Coordination																					3			3
	Photometrics Analysis				1		6																		7
	Overcurrent Protection and Voltage Drop Analysis				1		2															2			5
	Electrical Service Load Analysis				1		2															2			5
	Illumination Summary & General Notes				1		2															2			5
	Illumination Removal Layouts				1		2															6			9
	Illumination Layouts				1		12															2			15
	Illumination Details				1		4															2			7
	Illumination Schematic				1		4															2			7
	City and/or TxDOT Standards & Specifications				1		2																		3
	Cost Estimate				1		1																		2
	QAQC				1		2															1			4
	Review Comment Responses				1		2															1			4
	Attend Review Meetings				1		2																		3
	Task Subtotal Hours	**0**	**0**	**0**	**13**	**0**	**43**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**23**	**0**	**0**	**79**
	100% Subtotal Fee	**$0**	**$0**	**$0**	**$3,250**	**$0**	**$7,525**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$2,645**	**$0**	**$0**	**$13,420**
																									0
	Task Subtotal Hours	**0**	**0**	**0**	**62**	**0**	**265**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**127**	**0**	**0**	**454**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$15,500**	**$0**	**$46,375**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$14,605**	**$0**	**$0**	**$76,480**

H	**Erosion Control and SW3P Narrative**																									
		Task Subtotal Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Task Subtotal Fee	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Utility Coordination																									
		Task Subtotal Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Task Subtotal Fee	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Environmental																									
		Task Subtotal Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Task Subtotal Fee	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
J	**Public Outreach**																									
		Task Subtotal Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Task Subtotal Fee	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
L	**Right-of-Way Surveying**																									
		Task Subtotal Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Task Subtotal Fee	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
M	**Landscape, Streetscape Design, and Urban Design**																									
		Task Subtotal Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Task Subtotal Fee	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
N	**Geotechnical Engineering and Pavement Design**																									
		Task Subtotal Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Task Subtotal Fee	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
O	**PS&E Preparation**																									
		Task Subtotal Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Task Subtotal Fee	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
P	**Bid Phase Services**																									
		Task Subtotal Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Task Subtotal Fee	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Q	**Construction Phase Services**																									
		Task Subtotal Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Task Subtotal Fee	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
R	**Expenses**																									
	Printing																									
	Mileage																									
	TDLR Accessibility Review - Altura																									
		Task Subtotal Fee																								$0
		TOTAL HOURS	0	26	6	62	4	279	42	0	0	0	0	0	0	0	0	0	0	0	0	0	177	0	12	608
		TOTAL FEE	$0	$6,760	$1,500	$15,500	$960	$48,825	$5,250	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$20,355	$0	$1,140	$100,290

Doucet & Associates

		Principal	Sr. PM	Senior Project Engineer	Project Engineer II	Engineer Associate II	Senior Civil Technician	Civil Technician	Survey Project Manager (RPLS)	Senior Survey Technician	GIS Specialist	Two-Person Field Crew	Three-Person Field Crew	Party Chief-Time Basis	Administrative Assistant	LiDAR Scanner	TOTAL
	2022 TIRZ RATES - w 2023 Escalation	**$273**	**$247**	**$201**	**$170**	**$139**	**$155**	**$134**	**$227**	**$139**	**$139**	**$165**	**$216**	**$118**	**$108**	**$108**	
A	**Project Management**																
	A. Coordination with City		4														4
	B. Invoicing and Schedule Updates		4												6		10
	C. Subconsultant Coordination, Deliverables Review and Invoices																0
	D.Quality Assurance / Quality Control		4	16													20
	Task Subtotal Hours	**0**	**12**	**16**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**0**	**34**
	Task Subtotal Fee	**$0**	**$2,966**	**$3,214**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$649**	**$0**	**$6,829**
B	**Roadway Design**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
C	**Drainage Design**																
	30% Plans																
	Data Collection and field work																0
	Hydrologic and Hydraulic design																0
	Storm Drain analyses and design, including outfall	1	4			8	4										17
	Storm Drain Hydrologic and Hydraulic Tables																0
	Storm Water Detention Analysis and Design					8	4										12
	Water Quality and Rain garden/bioretention design	1	6			16	4										27
	Plan Sheets for Drainage Design																0
	Stormwater Report																0
	Task Subtotal Hours	**2**	**10**	**0**	**0**	**32**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	***56***
	30% Subtotal Fee	***$546***	***$2,472***	***$0***	***$0***	***$4,450***	***$1,854***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$9,322***
	60% Plans																
	Hydrologic and Hydraulic design																0
	Storm Drain analyses and design, including outfall		8														8
	Storm Drain Hydrologic and Hydraulic Tables																0
	Storm Water Detention Analysis and Design																0
	Water Quality and Rain garden/bioretention design		12			40	60										112
	Plan Sheets for Drainage Design		4														4
	Stormwater Report																0
	Task Subtotal Hours	**0**	**24**	**0**	**0**	**40**	**60**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	***124***
	60% Subtotal Fee	***$0***	***$5,933***	***$0***	***$0***	***$5,562***	***$9,270***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$20,765***
	90% Plans																
	Hydrologic and Hydraulic design		2				8										10
	Storm Drain analyses and design, including outfall		8				24	40									72
	Storm Drain Hydrologic and Hydraulic Tables																0
	Storm Water Detention Analysis and Design																0
	Water Quality and Rain garden/bioretention design																0
	Plan Sheets for Drainage Design																0
	Stormwater Report																0
	Task Subtotal Hours	**0**	**10**	**0**	**0**	**0**	**32**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	***82***
	90% Subtotal Fee	***$0***	***$2,472***	***$0***	***$0***	***$0***	***$4,944***	***$5,356***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$12,772***
	100% Plans, Permitting, Bid Support, Specifications																
	Hydrologic and Hydraulic design																0
	Storm Drain analyses and design, including outfall																0
	Storm Drain Hydrologic and Hydraulic Tables																0
	Storm Water Detention Analysis and Design																0
	Water Quality and Rain garden/bioretention design																0
	Plan Sheets for Drainage Design																0
	Stormwater Report																0
	City of Dripping Springs Permitting/Coordination																0
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	***0***
	100% Subtotal Fee	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***	***$0***
	Task Subtotal Hours	**2**	**44**	**0**	**0**	**72**	**104**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**262**
	Task Subtotal Fee	**$546**	**$10,877**	**$0**	**$0**	**$10,012**	**$16,068**	**$5,356**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$42,858**

D	**Signing and Pavement Marking**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
E	**Traffic Calming**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
F	**Traffic Control Plans**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
G	**Illumination**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
H	**Erosion Control and SW3P Narrative**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
I	**Utility Coordination**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
J	**Environmental**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
K	**Public Outreach**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**0**	**8**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$865**	**$0**	**$865**
L	**Right-of-Way Surveying**																
	A.Right-of-Way Mapping Survey & R.O.E.								4	6		8					18
	B.Storm Drain (4) and Trail (2) Easement Descriptions Survey								4	8							12
	C.Right-of-Way Supplemental Topographic and Tree Survey & Control Survey								8	12		24					44
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**26**	**0**	**32**	**0**	**0**	**0**	**0**	**74**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$3,626**	**$3,615**	**$0**	**$5,274**	**$0**	**$0**	**$0**	**$0**	**$12,515**
M	**Landscape, Streetscape Design, and Urban Design**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
N	**Geotechnical Engineering and Pavement Design**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
P	**Bid Phase Services**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
Q	**Construction Phase Services**																
	Task Subtotal Hours	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
R	**Expenses**																
	Printing																
	Mileage																
	Task Subtotal Fee																**$0**
	TOTAL HOURS	**2**	**56**	**16**	**0**	**72**	**104**	**40**	**16**	**26**	**0**	**32**	**0**	**0**	**14**	**0**	**378**
	TOTAL FEE	**$546**	**$13,843**	**$3,214**	**$0**	**$10,012**	**$16,068**	**$5,356**	**$3,626**	**$3,615**	**$0**	**$5,274**	**$0**	**$0**	**$1,514**	**$0**	**$63,067**

MCCANN ADAMS STUDIO

		PRINCIPAL	PROJ MGR	CAD	TOTAL
	2024 TIRZ RATES	**$240**	**$130**	**$90**	
A	**Project Management**				
	A. Coordination with City	4	4		8
	B. Invoicing and Schedule Updates	4	8		12
	C. Subconsultant Coordination, Deliverables Review and Invoices				0
	D.Quality Assurance / Quality Control				0
	Task Subtotal Hours	**8**	**12**	**0**	**20**
	Task Subtotal Fee	**$1,920**	**$1,560**	**$0**	**$3,480**
B	**Roadway Design**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
C	**Drainage Design**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
D	**Signing and Pavement Marking**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
E	**Traffic Calming**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
F	**Traffic Control Plans**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
G	**Illumination**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
J	**Environmental**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
K	**Public Outreach**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
L	**Right-of-Way Surveying**				
	Task Subtotal Hours	**0**	**0**	**0**	**0**
	Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
M	**Landscape, Streetscape Design, and Urban Design**				
	90% Plans	6	12	24	42
	Task Subtotal Hours	***6***	***12***	***24***	***42***
	90% Subtotal Fee	***$1,440***	***$1,560***	***$2,160***	***$5,160***
	100% Plans	0	0	0	0
	Task Subtotal Hours	***0***	***0***	***0***	***0***
	100% Subtotal Fee	***$0***	***$0***	***$0***	***$0***
	Task Subtotal Hours	**6**	**12**	**24**	**42**
	Task Subtotal Fee	**$1,440**	**$1,560**	**$2,160**	**$5,160**

N	**Geotechnical Engineering and Pavement Design**					
		Task Subtotal Hours	**0**	**0**	**0**	**0**
		Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
O	**PS&E Preparation**					
		Task Subtotal Hours	**0**	**0**	**0**	**0**
		Task Subtotal Fee	**$0**	**$0**	**$0**	**$0**
P	**Bid Phase Services**					
	Prepare Bid Manual		2	8	16	26
	Prepare for and attend Pre Bid Meeting		2	4		6
	Prepare and Distribute Addendum					0
	Prepare Bid Tab and Letter of Recommendation					0
		Task Subtotal Hours	**4**	**12**	**16**	**32**
		Task Subtotal Fee	**$960**	**$1,560**	**$1,440**	**$3,960**
Q	**Construction Phase Services**					
	Pre-Construction Meeting					0
	Review of Contractor Submittals		2	6		8
	Construction Site Visits		8	13		21
	Requests for Information		2	6		8
	Final Walk-Through / Punch List		2	6		8
	As-Built Plans					0
	Project Management					0
		Task Subtotal Hours	**14**	**31**	**0**	**45**
		Task Subtotal Fee	**$3,360**	**$4,030**	**$0**	**$7,390**
R	**Expenses**					
	Printing					
	Mileage					
	Irrigation Consultant					$4,800
		Task Subtotal Fee				**$4,800**
		TOTAL HOURS	**32**	**67**	**40**	**139**
		TOTAL FEE	**$7,680**	**$8,710**	**$3,600**	**$24,790**

EXHIBIT "D"

CITY OF DRIPPING SPRINGS CONTRACTOR INSURANCE REQUIREMENTS:

Firm providing goods, materials and services for the City of Dripping Springs shall, during the term of the contract with the City of Dripping Springs or any renewal or extension thereof, provide and maintain the types and amounts of insurance set forth herein. All insurance and certificate(s) of insurance shall contain the following provisions:

1. Name the City of Dripping Springs as additional named insured as to all applicable coverage.

2. Provide for at least ten (10) days prior written notice to the City of Dripping Springs for cancellation, non-renewal, or material change of the insurance.

3. Provide for a waiver of subrogation against the City of Dripping Springs for injuries, including death, property damage, or any other loss to the extent the same is covered by the proceeds of insurance.

Insurance Company Qualification: All insurance companies providing the required insurance shall be authorized to transact business in Texas and rated at least "A" by AM Best or other equivalent rating service.

Certificate of Insurance: Certificates of Insurance evidencing all of the required insurance coverages shall be submitted with the Firm's submission. Copies of any modifications, amendments, renewals, or terminations of any coverage shall be promptly submitted to the City. If the contract is extended by the City of Dripping Springs, certificates of insurance evidencing all of the required insurance coverages shall be provided to the City prior to the date the contract is extended.

Type of Contract and Amount of Insurance:

- Statutory Workers Compensation insurance as required by state law.
- Commercial General Liability minimum limits of $500,000 per occurrence for bodily injury, personal injury, and property damage.
- Automobile Liability with a minimum of $500,000 Dollars combined single limit.
- Professional Services Professional Liability Insurance with a minimum of $1 Million Dollars per occurrence and $1 Million Dollars aggregate.

Exhibit E

Old Fitzhugh Road PSE

Task Name	Calendar Days	Start	End
Project Management	**1191**	**1-Feb-22**	**7-May-25**
Notice to Proceed	1	1-Feb-22	1-Feb-22
Progress Reports	1191	1-Feb-22	7-May-25
Invoices/Payment Requisitions	1191	1-Feb-22	7-May-25
Utility Coordination	**1184**	**8-Feb-22**	**7-May-25**
Deliverable - Utility Conflict Matrix		7-May-25	7-May-25
Environmental Documentation	**1184**	**8-Feb-22**	**7-May-25**
Environmental Analysis	224	1-Feb-22	13-Sep-22
TxDOT Environmental Clearance	843	15-Jan-23	7-May-25
Deliverable - Environmental Constraints Report		13-Sep-22	13-Sep-22
Deliverable - Categorical Exclusion		7-May-25	7-May-25
Public Outreach	**176**	**11-Oct-22**	**5-Apr-23**
Public Meeting Preparation	21	11-Oct-22	5-Apr-23
Property Owner Meetings	92	1-Nov-22	30-May-23
Dripping TIRZ Board Meeting	1	9-Jan-23	9-Jan-23
Historic Preservation Meeting	1	2-Feb-23	2-Feb-23
Planning and Zoning Commission	1	15-Feb-23	15-Feb-23
City Council	1	21-Feb-23	21-Feb-23
Transportation Committee	1	27-Feb-23	27-Feb-23
Public Meeting	1	7-Mar-23	7-Mar-23
Public Meeting Comment Period	30	7-Mar-23	5-Apr-23
Dripping TIRZ Board Meeting	1	12-Jun-23	12-Jun-23
Right-of-Way and Surveying	**440**	**2-Apr-22**	**16-Jun-23**
Deliverable - Survey Files		16-Jun-23	16-Jun-23
Geotechnical Engineering and Pavement Desig	**60**	**15-Jan-23**	**16-Mar-23**
Deliverable - Geotechnical Report		16-Mar-23	16-Mar-23
30% PS&E	**224**	**1-Feb-22**	**13-Sep-22**
Draft 30% Design	149	1-Feb-22	30-Jun-22
City Review of 30% Design	35	30-Jun-22	3-Aug-22
30% Design Review Meeting	1	29-Jul-22	29-Jul-22
Meeting to Discuss ROW and/or Easements	1	9-Aug-22	9-Aug-22
Address City Comments on 30% Design	40	4-Aug-22	13-Sep-22
Deliverable - 30% Design Plans and Estimates		13-Sep-22	13-Sep-22
60% PS&E	**437**	**25-Oct-22**	**5-Jan-24**
Draft 60% Design	306	25-Oct-22	27-Aug-23
City/TxDOT Review of 60% Design	45	28-Aug-23	11-Oct-23
60% Design Review Meeting	1	12-Oct-23	12-Oct-23
Address City/TxDOT Comments on 60% Design	85	13-Oct-23	5-Jan-24
Deliverable - 60% Design Plans and Estimates		5-Jan-24	5-Jan-24
Planning Activities (TxDOT TA Pedestriar	**319**	**18-Dec-23**	**1-Nov-24**
Project Award	90	18-Dec-23	16-Mar-24
LGPP Risk Assessment	31	18-Dec-23	17-Jan-24
Add Project to STIP	274	18-Dec-23	16-Sep-24
AFA Execution and Payment	182	18-Dec-23	16-Jun-24
Project Kick Off Meeting	1	1-Nov-24	1-Nov-24
Utility Coordination & Relocation	**478**	**15-Jan-24**	**7-May-25**
ROW Acquisition / Easement Acquisitio	**478**	**15-Jan-24**	**7-May-25**
90% PS&E	**195**	**15-Jan-24**	**28-Jul-24**
TxDOT Review of 60% Design	60	15-Jan-24	14-Mar-24
Draft 90% Design	89	15-Jan-24	13-Apr-24
City and TxDOT Review of 90% Design	45	14-Apr-24	28-May-24
90% Design Review Meeting	1	29-May-24	29-May-24
Address City/TxDOT comments on 90% Design	60	30-May-24	28-Jul-24
Deliverable - 90% Design Plans, Specifications, and Estimates		28-Jul-24	28-Jul-24
100% PS&E / RTL PS&E	**103**	**30-Jul-24**	**10-Nov-24**
Prepare Final 100% Design	45	29-Jul-24	11-Sep-24
City/TxDOT Review of 100% Design	30	11-Sep-24	10-Oct-24
90% Design Review Meeting	1	11-Oct-24	11-Oct-24
Address City/TxDOT comments on 100% Design	30	12-Oct-24	10-Nov-24
Deliverable - 100% Design Plans, Specifications, and Estimates		10-Nov-24	10-Nov-24
Ready to Let	**100**	**7-May-25**	**15-Aug-25**
Let	**1**	**15-Aug-25**	**15-Aug-25**
Bid Phase Services	**42**	**7-May-25**	**18-Jun-25**
Prepare Bid Package	14	7-May-25	20-May-25
Bid Phase Services	30	20-May-25	18-Jun-25
Deliverable - Bid Package		21-May-25	20-May-25
Construction	**500**	**13-Oct-25**	**25-Feb-27**
Preconstruction Meeting	1	13-Oct-25	13-Oct-25
Roadway Construction	501	13-Oct-25	25-Feb-27

RISK ITEMS
KEY DATES

2022 | 2023 | 2024 | 2025 | 2026 | 2027

Jan 22 Feb 22 Mar 22 Apr 22 May 22 Jun 22 Jul 22 Aug 22 Sep 22 Oct 22 Nov 22 Dec 22 Jan 23 Feb 23 Mar 23 Apr 23 May 23 Jun 23 Jul 23 Aug 23 Sep 23 Oct 23 Nov 23 Dec 23 Jan 24 Feb 24 Mar 24 Apr 24 May 24 Jun 24 Jul 24 Aug 24 Sep 24 Oct 24 Nov 24 Dec 24 Jan 25 Feb 25 Mar 25 Apr 25 May 25 Jun 25 Jul 25 Aug 25 Sep 25 Oct 25 Nov 25 Dec 25 Jan 26 Feb 26 Mar 26 Apr 26 May 26 Jun 26 Jul 26 Aug 26 Sep 26 Oct 26 Nov 26 Dec 26 Jan 27 Feb 27 Mar 27

Exhibit E-1

Old Fitzhugh Road PSE

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90% Design Review Meeting	1	11-Oct-24	11-Oct-24
Address City/TxDOT comments on 100% Design	30	12-Oct-24	10-Nov-24
Deliverable - 100% Design Plans, Specifications, and Estimates		10-Nov-24	10-Nov-24
Ready to Let	**100**	**7-May-25**	**15-Aug-25**
Let	**1**	**15-Aug-25**	**15-Aug-25**
Bid Phase Services	**42**	**7-May-25**	**18-Jun-25**
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Deliverable - Bid Package		21-May-25	20-May-25
Construction	**500**	**13-Oct-25**	**25-Feb-27**
Preconstruction Meeting	1	13-Oct-25	13-Oct-25
Roadway Construction	501	13-Oct-25	25-Feb-27

RISK ITEMS
KEY DATES

CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

RECEIVED
By City of Dripping Springs at 1:07 pm, Mar 08, 2024

1 **Name of vendor who has a business relationship with local governmental entity.**

HDR Engineering, Inc. - No Conflict

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

N/A
Name of Officer

4 **Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.**

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes ☐ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7

Signature of vendor doing business with the governmental entity

03/04/2024
Date

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2024-1130026

Date Filed:
02/29/2024

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
HDR Engineering, Inc.
Austin, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
City of Dripping Springs

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
TIRZ Engineering Services 1&2
Professional Engineering Services

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Meysenburg, Galen	Omaha, NE United States	X	
LeCureux, David	Omaha, NE United States	X	
Henderson, John	Omaha, NE United States	X	
McLaughlin, Thomas	White Plains, NY United States	X	
HDR, Inc.	Omaha, NE United States	X	
Keen, Eric	Omaha, NE United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is Mark D. Borenstein, and my date of birth is 09/06/72.

My address is 710 Hesters Crossing, Suite 150 (street), Round Rock (city), TX (state), 78681 (zip code), USA (country).

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Williamson County, State of Texas, on the 29th day of February (month), 2024 (year).

Signature of authorized agent of contracting business entity
(Declarant)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2024-1130026

Date Filed:
02/29/2024

Date Acknowledged:
03/08/2024

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

HDR Engineering, Inc.
Austin, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

City of Dripping Springs

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

TIRZ Engineering Services 1&2
Professional Engineering Services

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Meysenburg, Galen	Omaha, NE United States	X	
LeCureux, David	Omaha, NE United States	X	
Henderson, John	Omaha, NE United States	X	
McLaughlin, Thomas	White Plains, NY United States	X	
HDR, Inc.	Omaha, NE United States	X	
Keen, Eric	Omaha, NE United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____County, State of _____, on the _____day of _____, 20_____.
(month) (year)

_____
Signature of authorized agent of contracting business entity
(Declarant)